

# SEQUENCE LISTING

<110> Friedrich, Glenn  
Zambrowicz, Brian  
Sands, Arthur T.

<120> Novel Mutated Mammalian Cells and Animals

<130> LEX-0032-USA

<150> 60/144,942

<151> 1999-07-20

<160> 1848

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 137

<212> DNA

<213> Mus musculus

<400> 1

acgattattt	gcggaccagt	cgggaccttg	accttgatct	gatccnaaga	caacncnaaa	60
aaatgggtctc	ntttctcctg	aaaaccaagg	agtaaatact	acaacttacc	aaaagttgaa	120
cttgggtggct	gagcctc					137

<210> 2

<211> 165

<212> DNA

<213> Mus musculus

<400> 2

gggcctgggt	ctcagaggca	tttggcaaag	tgaaggagaa	gttgaagacc	acgttctcct	60
gagcacctgg	cgggccacct	cgaagcatca	aggacatcca	cgtaatgtgc	caggtccctc	120
ttcatcacac	accaataaaa	aacgtgtaga	aggcaaaaaa	aaaaa		165

<210> 3

<211> 285

<212> DNA

<213> Mus musculus

<400> 3

gagaatggta	ccaccacac	tnnaccncc	tnctgtnnnt	atgtctatat	aaatgtaata	60
cnntgtagcc	tngtcngaac	actanacnag	ggcnccaaat	ctcattgtgg	gtgggtgtga	120
aaccacccac	catgtggttg	ctgggatttg	aaactncagg	gatcttccag	gaaaaaagca	180
gtccaggggg	ctcttaaacc	cgcttgaagc	ccatcttctc	ccaagccnnc	ccnggccatt	240
tccctttnc	ttnaaagggg	gcattggaaa	ttggaatccc	cccaa		285

<210> 4

<211> 236

<212> DNA

<213> Mus musculus

<400> 4

ccacactcca	agtcgtcncc	aaccancccc	accgcctgct	ccccnccctc	cnggnccctt	60
------------	------------	------------	------------	------------	------------	----

gtgttggaat	attggaccnc	agngaccttc	ccnnnnctgn	accannccctt	ggtggctgat	120
ctccttaaaa	anaagtggac	tctgtgttcc	ggaactttgn	acntgaatgg	ggacagtctn	180
atnccgaag	gaggaatntc	tcattcctctt	gggggggattt	tccccttatg	ttcaaa	236

<210> 5  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 5						
gcacatgcct	ctggcacacc	ttcntggatc	tncccacanc	aganggaccc	aactgctcct	60
cgctccacgg	cggtccttgc	acttgcacca	actcctgctc	ctgcaanaac	tgnaantgcn	120
cctcctgcaa	naaaaatgct	gctcctgctg	tcccgtgggn	tgctccaaat	gtnccccaggg	180
ctgtnttntg	cnaaggngcc	ncggganaaa	tgcacgtgct	gtgcctgatg	tgacaaacag	240
cgctgccacc	acgtgtaaat	agtatcggac	caaccacgag	tcttcctata	cagttccacc	300
ctgtttacta	aacccccgtt	ttctaccgag	tacgtgaata	ataaaaagcct	gtttga	356

<210> 6  
 <211> 224  
 <212> DNA  
 <213> Mus musculus

<400> 6						
tcaggctcctg	gagaaaanaa	ggncancanc	ccctggaatt	cgcttttctga	tcctctgaat	60
gtttncctt	ggacagagag	ccaccaccca	tttgcctgtcc	acttacacag	ttaaacaanaa	120
gctatgctca	gttctactgc	aaanggtgtg	tcctaaggaa	gcaaacaata	ccctnagcta	180
tncagggtga	aaaatcctac	tagagaaaaa	gtcacttgat	tttt		224

<210> 7  
 <211> 336  
 <212> DNA  
 <213> Mus musculus

<400> 7						
aaattcaagg	tgctctacnn	tggcnaggtg	actgtggctc	acaacaacgc	cccaacgcac	60
nnagggacaa	ntgtctcgaa	aanttcaacc	atgtgagntg	tantcgncca	acngactggg	120
aaanccccca	acgggntngc	natntcgcgc	ctngccccnt	gcccacgcag	cctntccttc	180
tcaaagactg	gactgcgctc	gctggccttc	atgaaangag	tnccaggaag	ctagnctccg	240
cncttannac	ctttagntcc	tttgacantg	acattataaa	accncctcct	ctgtggggcac	300
aatgtgggttc	anccccacngg	acatggaagg	aaaacc			336

<210> 8  
 <211> 530  
 <212> DNA  
 <213> Mus musculus

<400> 8						
gagggcttgc	ccaagangct	taggaaagcc	tcttcaactta	nttattccan	nccancncaa	60
gnangtacgc	tgncagcagg	tgacttcacc	ccaactgtgg	ttccncacat	gcctaggcnt	120
gaaaancacn	ncagccgncn	atanctctgc	gcccctgcta	catcttcttg	tgatatcatc	180
tngggggccc	ntggctgtgc	ctntgtcctt	gggacaaggc	ccgccacgct	gggcttggtan	240
tgcacctggg	ggggtcngct	ttccctctgc	tgaaccancc	catcctgggtg	ttngctgcta	300
cnaaggccac	tctgttcnng	ctcngggncg	ncttaaaaaca	ctcctttcct	gggnngncca	360
cantaaggct	cttaacaccn	atngnggggg	gaaaaggccn	ggngnctncaa	ttccctcctt	420
gccttgggcc	ttggntcctt	gggggnttnt	gggctttgnt	gcaaaagncc	ccccaagaaa	480
ccccctgngc	ctngnctttc	tgccatcaan	gtgctgctcc	atcttctcct		530

<210> 9

<211> 582  
 <212> DNA  
 <213> Mus musculus

<400> 9  
 ccacagcttc cttttgtatc accagagtac aaacangaaa ggatggcatn tggatcctca 60  
 aagccccata gagagatccg aagacacact cacccttcct ccgccatctt tccggtgctt 120  
 cagctactgc gcttgccgag cctcaccggg cggggtagag aggcccgctt cgacgtctct 180  
 tgtatcatag agacggactc tcgctcccgc aggaggactc aggcagcctg agattcctta 240  
 gcgaatgtga gcgtctggga aaaggtcttg ctagccagga ttccggcaaa aaaccctcca 300  
 gtttccttcc catcccttct aaggtctcta gagtctgaca cccgtctgga tccaaccctt 360  
 ttcagttagg ctgtagggtc tcgaactcgg ccgcttgtag acaattttaa ggctttccac 420  
 aatgcattctg cagcttccgc tacggcacgg gctctacaga agttggccgc cttgcttagg 480  
 tgaggttttt attcccggag acttgaagga ccgacgtggc actcacattt ggtgggcggt 540  
 tatttgtgga ggatttgccg gaaataaaaa tgtgtcacct ac 582

<210> 10  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 10  
 atagagaccc ccagancnac atggatctcc agnccttccc nntgtgaaca ctctccctg 60  
 tcnggccacg ctncccangc tggatgaaga tnagctgtan ccccaaaagt gcactgctat 120  
 nggcgacang catccattcc tcantgaatt tggacgggga atcctgtgaa atntgccatc 180  
 aatccatcct ccatganntn tntangatgg gaaatactgg gcctgaanag gacnctntnc 240  
 tgcccanngg acacgggatc cgtecntttn gttcccngca tgcncncaa cccactcaaa 300  
 tgtgaaggat atgnangagc ttggagggac gatgnaagnc ctgggaccgc atggag 356

<210> 11  
 <211> 253  
 <212> DNA  
 <213> Mus musculus

<400> 11  
 gcttgctgct ccagtcgct gttgcttgcc tagctgtggg tgcctcccta acangganaa 60  
 tactcttgta ctntcggaa cnctngntgt ccatncaacc ctgtccntcc nacctngcaa 120  
 nancaggtca caanttgtn ccagcaatgn aaggtggctc cntcaaccct gganccttct 180  
 ctaccagca acancctgcc canctacaaa caactnactg tgccccaaac aggccctgat 240  
 gagggttcct gaa 253

<210> 12  
 <211> 112  
 <212> DNA  
 <213> Mus musculus

<400> 12  
 cagaacaaca acaacaacaa agactcccag gttctcattc tcattgctta aaccacccan 60  
 aagcatcttt ggcctattat tcancagcaa gatggcttga agaaaaaat aa 112

<210> 13  
 <211> 383  
 <212> DNA  
 <213> Mus musculus

<400> 13  
 aacaactcac cacctggatt tccaaggaaa gctcaagcca agtgggcccag cactccatcg 60  
 anaggcaaag ctgcctcttc catgccccac catgcccagc anaggcaaca tgcctggagc 120

ctatgttcan	caacccttgc	tcccagtg	gagtttctaa	aaaggcagcc	ccactcctca	180
nangctggg	tcccaaaacc	caggcctctt	ctgtganatt	cnnantggga	atttctaaan	240
aggcanccat	cctcaatgct	gggtcccac	cagggcctct	tctgtganat	tcctgtgnen	300
nnncnctggt	gcggcnaana	tttttttnaa	agnngggggg	ggggggcccc	cccccccccc	360
cccctnnggg	gggggggggg	ggg				383

<210> 14  
 <211> 151  
 <212> DNA  
 <213> Mus musculus

<400> 14	
taagaaaaat	ggtattactt
atgatgacac	tctctgctng
cttcttcatt	ttttttttcc
	tcttttgaac
	c
	60
	120
	151

<210> 15  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 15	
ggcccagatg	cttctgggct
gtgaagggtc	gagggacggc
aagaagccaa	gatggagact
ataagccgtc	cacgggaaaa
	aaaaaaa
	60
	120
	180
	207

<210> 16  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 16	
aagaaggtga	tgcccagaca
aaccnactga	agaaaaagac
atgacttttaa	t
	60
	120
	131

<210> 17  
 <211> 393  
 <212> DNA  
 <213> Mus musculus

<400> 17	
ctcgtctctgc	tactcgnact
cctngattgt	aanaggacn
ncancgagg	gcggcgtctg
ccacgtncna	cnaggccctg
tcagcatcgc	agtggtaaac
ccgtgggtcc	cnaangctgc
taaccgcgc	aagcctgtgg
	60
	120
	180
	240
	300
	360
	393

<210> 18  
 <211> 148  
 <212> DNA  
 <213> Mus musculus

<400> 18	
agaatcagca	tgctcagctct
	60



atgcttccta ccatnatggc tatggactca cccctgaag ctgcaaacc ccaaataaag	120
ctttatttta taatttgaaa aaaaaaaa	148

<210> 19  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 19	
aaactgtcat ctctcctggg ctatgagacg gaaatgtana attctacaca tctacgggtgt	60
accaataaaa tgcttatgtc catttccacc atccaaaaa g	101

<210> 20  
 <211> 385  
 <212> DNA  
 <213> Mus musculus

<400> 20	
ggacgaggat ccagatactc ccaagtctgt gaggttccga gtgaaggaga ctgtatgtgg	60
caaggcagag cggcagctac ctgagcaatg tgccttcaag gaacaggggg tggatgaagca	120
gtgtatgggg gcagtcaccc tgaacccggc cgctgattct tttgacatca gctgtaacga	180
gcctgggtgca cagccctttc gggtcaagaa aatttcccgg ctggctggac ttctccgcaa	240
aggtggggag aagattgggtg aaaagcttaa gaaaattggc cagaaaatta agaatttttt	300
tcagaaactt gtacctcagc cggagcagta ggcctgcctt ggctgtttc tggattccta	360
aaataataaa cttggtaaaa gaaaa	385

<210> 21  
 <211> 256  
 <212> DNA  
 <213> Mus musculus

<400> 21	
aaacataaag cctctcnacc caggcctgga atgtttccac cccatgtcna gcantgtggt	60
tntgcaagan gaaacanaaa gcctctccac ccangcctgg aatgtttcca nccnttgten	120
agnaaaccca cncagcgtct tgtcatngc gaattggaac acgcntatgc nctccgggag	180
gcncgggtcc cacgtccact tcgcatatta aggtgacgn tgtggcctcg aacaccgagc	240
gaccctgcag cgaccc	256

<210> 22  
 <211> 326  
 <212> DNA  
 <213> Mus musculus

<400> 22	
gactgcgctg gaggtcactc agaagggtgc actgggggaa cactcaccca atggtgagta	60
tctggagagc gtataagcgc atgccgctgt ggacttttca ncgatgtcat gctgacaaac	120
tgactnanca ngagttaccc acacangaan cggacatnca tnttactgc agaccagaa	180
gacgtgacgg gagaccagga aacgtctgcc tcgctgactt actatatcc cttggatgta	240
ctgatcaggc tacattccgc caagtcaaaa acgttgagag aaaaaaatgt ctaataattt	300
cctctgataa tcaccaaaaa ttacaa	326

<210> 23  
 <211> 161  
 <212> DNA  
 <213> Mus musculus

<400> 23	
ctcctcgatg tccctccagt gctacantcn aggacacaag gtcgccatct ccancacact	60

tgtccaangg aanttcctgt cgtgcatcan cctcntcnch tncagtcgct naaactctca	120
tcnactacan nantgancac ttctcccttg cgtccctcc c	161

<210> 24  
 <211> 147  
 <212> DNA  
 <213> Mus musculus

<400> 24	
tccctgaccc cattctctc acctntance acnattgcac tggatgggtcc canttgcaaa	60
aaacncnngt tngataaang taaaatango ctntctatgg accctcggtg tttggnatgc	120
ccaatgggga tcttgaaaag cgcccat	147

<210> 25  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 25	
aacctgggtg ccgtgggtggg caggctggag gcaaagctgg cagaaatccg ctcaganaca	60
gaacagcagc ancaggagcg ggcacacctg ctggcgtgca aaaccagcta	110

<210> 26  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 26	
gaatgggtgca tttctgatca gctggatacc ggataaacat gagtgggttggt ggtccagccc	60
aaagcaaaca gactttggca tcgtagtgtg gctgtgcccc agagccacag agatgcacat	120
tttctagaaa nactttggga gacacaaagc tttcttcann actttaagat ctggatacaa	180
ctgagacatc tgaaaaagct acatgtacta tgggtatata nctgggagct ggggaccttg	240
ggcctcatct ataccatgag aacactcacg gggnaaggaa ggctgttant tagtatttat	300
gaaggatacc cancttttga ggacattgtt aggggggttna tcttggtttg tttttaaaat	360
taaaaaagtg tacaagtgtt tttgcttgcc	390

<210> 27  
 <211> 395  
 <212> DNA  
 <213> Mus musculus

<400> 27	
tttgggccag aagctgaaga aatgctccaa cttcctgact tactgggtgct gtatagggtgc	60
atcnatctnt ccnngcgtg tangtcggtg nganagtgcn tgaacgnctg agnntggagt	120
gtngaacagt tctgactgct atgtngactg ggggaattgn accgggtcct ctgganaagc	180
nccagagat ttcgnatgct gaggcatttc tccncccc gttttcacnn cttantgaca	240
naaactctct cttgaaaanc tctnaggagg antngtgggt tnngtatgcc acccttantt	300
tgtactantt aggattaact tcatctgtga atttnaacia ccccccccc caccacannn	360
aattgaattt attgtctgtc caataaacat aagcc	395

<210> 28  
 <211> 392  
 <212> DNA  
 <213> Mus musculus

<400> 28	
acaagatctg gaagaatgng natgatctca accaaccaac aacctccttc accaccanac	60
agcctggacg gacagctacc ccacatgcna tgnctcngc gggttnttng gaagccantg	120

gnatgaaatc	naccctcaan	actggaccaa	ataccaggtn	tgggaatggc	tгнаacacct	180
cctggacacc	naccnnctan	acgctaagct	gcntcccttt	ccaggagttc	tacattagcg	240
gaaaacacct	ntgcagcatn	aatctgcang	aattcacnag	ggcgacaggc	tcaactgggc	300
anctgctctg	gtagcaacct	anagcatctc	angtggaacn	gncantgcag	naagtgcact	360
ttncacgtcc	gencacgatg	tctttgtcca	ga			392

<210> 29  
 <211> 137  
 <212> DNA  
 <213> Mus musculus

<400> 29						
acttgggatg	gagagaggtc	agcggttaag	aaacngactg	ctcntccaaa	ggtcntgagt	60
tnaactcaca	ncaaccncat	ggtggctnnc	aacnatctgt	nctgagatct	gacncccnct	120
tctggtcttc	agacaca					137

<210> 30  
 <211> 263  
 <212> DNA  
 <213> Mus musculus

<400> 30						
cactgaagcc	ttgagcattg	tgacacccag	gatcccagag	tcactgagac	gctttttatga	60
agattaccaa	gaaaagagtg	gactacacac	agtctaaaaa	atacttatgt	gcatatatatt	120
tctanagaaa	agtttggttt	caaatttttg	tcttganagt	gtttactggt	tcttaatagg	180
tngatgtttg	aaataccttc	actggagttg	aagagccnnn	gttttgactc	atttgaggta	240
tgntaaacat	ttctctgggc	cgt				263

<210> 31  
 <211> 369  
 <212> DNA  
 <213> Mus musculus

<400> 31						
ggaccacagc	gtgcttcagg	gcttcatccc	cctccttcan	aagttccggc	tgccagggtt	60
caggagaata	actgagatca	ctgcctgaca	gcagctgagc	cagtccecaa	tgtgaccact	120
gtaaccactg	ccatgcctga	gcccagaana	cagaacgacg	cgctggaana	caccagaagg	180
ccacacaata	aanagctctt	tccttccacg	tgatctgant	gtcggcacca	gtgggcaggc	240
tcttgctctg	caaattaaca	cncagtctcc	gtgggggaaa	anaaaagggg	atagcgctcg	300
gtcancacgg	aggaactggg	gatccattgc	tcatnggtca	acatnaatcc	tgggttctgc	360
aggcttggc						369

<210> 32  
 <211> 396  
 <212> DNA  
 <213> Mus musculus

<400> 32						
ggacgatcac	ggacgtgcag	ctcgccatct	tcgccaacat	gctggggcgtg	tcgnttntct	60
tgnttgnggn	cctctatcac	tacntggnag	naaacaaccc	naagaagcng	gaatgaaagt	120
ggcgctntnt	ccgncccang	gttccaggac	atagtctgag	gcaagatgga	nggtgngagg	180
gccttcacac	ttnacttcat	ntctcctacc	catcacagca	tacaaagcaa	ctacacctgg	240
atTTTTTCAA	acaactttta	tttctcaaaa	gtcttcttta	accctatgga	gcaagaagct	300
gccactgaat	agggcccagt	ataggggctg	ctttcttttc	tactccctcc	ccccaataca	360
aaaatataga	tatatatata	tagatataaa	aaaaaa			396

<210> 33  
 <211> 163

<212> DNA  
<213> Mus musculus

<400> 33  
catgggtttc cttgatcgcc gtnatnagag cctggtgceg ggacctnacc ngatcanena 60  
gtgnactncc ngtcggggac catccanctt cactaanagt cnggggtgcna aggaanacag 120  
ggcatctata cttctgatata gaaatntgtg caaataaaaac aaa 163

<210> 34  
<211> 535  
<212> DNA  
<213> Mus musculus

<400> 34  
gcagagaaca aatgccaaga actttttgtgc aggtgtgacg aggagctggc ttactgcctg 60  
gcagggaccg agtaccacct gaaataacct ttcttccccct ccatttttatg tgagaaggac 120  
tctcccaagt gcaattgaca ggctcacatg tccctttgca catggaaacg cacttcactt 180  
tcagtgatca ccaacagcat gcaatttgtg caggagagtc accggaggcc aagtgcataa 240  
gccacctgcg tttgctttct ccttccattc aggaactcac aactatgagc ctgtggagtt 300  
gccagtctga tgaaggttca aagtcctggg cctgttttat acaaataagc gctgtgttgg 360  
gcgtggtata ctttttgaaa ttcagccttt atgagaagct gtactatctt gtacctgctg 420  
cagggtgctt ggtcagatgt ggggtgaacac ctgcttaggc tttgctgtgg taataacatt 480  
gccacatgat acatctaaga attgtaactg taataaaaaa atgttcctta actgg 535

<210> 35  
<211> 638  
<212> DNA  
<213> Mus musculus

<400> 35  
gcccgaactgg cccggcagca cctgctgccc ttgctgcgcc ggctggcccg ccgactgagc 60  
tcccaagaca tgagagaggc tctgctgagc tgtctgctct ttgtcctcag ccagcaacag 120  
ccaccggatt ctggagaggc ctccagagtg gaccactccc agaggaagga gagattgggc 180  
ccccagaagt gaggccacgg gtccctggaaa cagcaacgcc catcaaagta cttttggagc 240  
cggttagttc aggcgtcggg ccgcacgcac gggcatggac ggcagactgc ccagtgggcg 300  
aagacagtcc gggctgagtg caagagggct ctgacctgaa cagttcccac tcccctagct 360  
cctagcaggc tacagattgt gttgattgac ccttcctctc tgcagctccc tctgccttat 420  
ctctggcctc cagggtggac ctgcaaatgc gggatatcaag gtcagttaag agatgatgtt 480  
tactttagac tcaagacaat ttagctaaga agnggtatctt aaatccaaac tgtcccgnct 540  
accttaaaat tataagccct tgcttccggt aaagaatgag tactttttaa agcttggtac 600  
ccaacaagta gtcaataaac caaggacagt gtgttggt 638

<210> 36  
<211> 257  
<212> DNA  
<213> Mus musculus

<400> 36  
aggaattggg ctctcncaca gancaaaaac ggggtcaaaag ngggccacga tgcacgttcc 60  
gagaacaacc acagaatgtt ccagccctaa gtcagcgcca gatgtcctga ccacacctg 120  
atgccaccaa gttcctgctt ccttgtgtag ctgccaaaan aaaaatttcc actgccccac 180  
ccctcctgct gagaagtact tctccttttg cttgtgcatt taagccttga gccttgctga 240  
atacagtga accttga 257

<210> 37  
<211> 252  
<212> DNA  
<213> Mus musculus

<400> 37  
ctgggtctgt gaccctcaen tgcttctcaa gaagaccctg gactctccat ccgctggctc 60  
ttcgatcacc anggcctgta cttcnatgan tggatnactc tgtcccagan atacgtcaaa 120  
cttaccatcn taccagccn agagggagga tgctggggag taccaatncg angtctcctn 180  
cggctacagc ttctannatn aatcncccgc tccaaatgtc ngtcactagt gagtgcctg 240  
gcctctctct tc 252

<210> 38  
<211> 172  
<212> DNA  
<213> Mus musculus

<400> 38  
actcgagaaa gcagccnngg ctgcatcttg caagtntcnc ctccntggga atttgccggc 60  
ccnaaaaaag tgaaagaaaa tgaagtcaga taagaatgag aatctganac aagaggcaga 120  
cnattgagac cacaggtttt accccccgaa acatgaaaag taatccaaat cc 172

<210> 39  
<211> 176  
<212> DNA  
<213> Mus musculus

<400> 39  
aagcggcgac tgcttnncna gatgtctgaa tggaccagga aagatgtgat cttcctatac 60  
gccaagaaat tctaggaaca tcagtttcaa gtcctcagaa gctattcttg ggaagaccag 120  
tggacccaat gcatgtggca aactccaaaa aaagacgtga aacaaaataa ataaaa 176

<210> 40  
<211> 253  
<212> DNA  
<213> Mus musculus

<400> 40  
tattaggctg gacccgcaaa aaccttgacg aacacaagga gctgatcaac actggatcnc 60  
ccnancnttc gtttnttggg gctaaancct cttctaaaca tccanntgca ctcctaaaaa 120  
anatncccct ggtatngnct cgtcttctc ttttctttct gaccccgacg gtggttggtg 180  
tnttnncnct ggatgcnang ggtattngga tttncccngc atcctccaac ttcggtggga 240  
agggtttaag gca 253

<210> 41  
<211> 319  
<212> DNA  
<213> Mus musculus

<400> 41  
ctagcttcat tatcatancc ccaattctca tagctgngna catactatna cnnggttnc 60  
nctnnaataa acggagntgt nagatnacag ctgtgnntg cactcatgtg tgagtattnn 120  
ncatgantct gttttatnta ncancatatt atgctgagtt gcctgatcct cacactactg 180  
gtgctgtnc tgcagtatc ttcanttgat cgnaggccct gccacatct ggaactaagg 240  
ccantngagt gcnetccacc ttactggtgt caggactttg ttcttctgag attattgagg 300  
acccacacaca cacacacca 319

<210> 42  
<211> 164  
<212> DNA  
<213> Mus musculus

<400> 42

ggctctccct	cgctgcttcc	cgttttaccgt	ttaagatgtg	agctctcagc	ttctgtgcca	60
agccgctgtg	cctgctgcct	gctgccatgc	ttccccacca	tgggtggatcc	ttacctctct	120
gggactataa	gccaaataaa	cccttccttc	cttaaaaaaa	aaaa		164

<210> 43  
 <211> 444  
 <212> DNA  
 <213> Mus musculus

<400> 43						
atctccattc	acaacctccc	tcccataacc	tgggtctgaa	naagnncaaa	cccganaaan	60
accaactccc	tgaacncnnt	ccctctcttt	ctccanngan	gtggctgggg	caggangaac	120
tgatnaatat	ttcanccgga	accctccatg	tgattttctt	ttcccnacac	ttaacagggt	180
tcaacntgan	tcattctgcc	cggacctgca	acnatntatc	natgggtccgn	cccnggctgt	240
aggtctgcct	cncggaacta	caanagggtc	tttcttcaat	canctccatg	gcccganang	300
ntcaggaact	ggaggaccgc	nacncagtcn	tntggggaaa	aagggcanaa	actgacnana	360
cttnatcacc	ttcaaatgac	aaatttgcca	aatcccaaac	ttccaacacc	tgaaactcnt	420
ngaantatca	aaccttccat	ctcc				444

<210> 44  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 44						
tgaagggtcta	tttgtgtatg	aatacatgca	catgagtgtc	catggaaaac	agaagaggac	60
atgagnatac	cctggaactg	ggattatgca	cagcatgggtc	atgtgaacag	tgctcttcct	120
cactgaatca	tctcgatgcc	cactgataca	agacactaat	gagggaaaca	gtgggacagc	180
atacaagaac	tctgcttttt	cttccttcaa	aacctaaaac	tgctctttaa	aaaaagaaaa	240

<210> 45  
 <211> 421  
 <212> DNA  
 <213> Mus musculus

<400> 45						
agcagtcctc	ggactactca	cgttctanac	actgcctcag	ggctccctgc	ccaaggcctc	60
tgccctccgc	tgtcccgcct	ggaggccccc	tgccagcagt	ggatggagct	gaggacaagc	120
tacacaaacc	tggacgggtc	ctgtcctggg	ctcctgacac	caagccagat	aaagccaggc	180
acctataagc	tggttcttcga	cacagagcgc	tactggaaan	ancgggggtc	aganagcttt	240
tacccttatg	tagaggtggg	tttcactatt	acaaaggana	cccagaantt	ccacgtacct	300
ctgctgctga	gcccattggc	ctacaccacc	taccggggga	attaaantga	tgtgttacct	360
gaaaaaagcc	atctatctgc	ctgtttcttt	cccagactta	gccacccaca	caaatcatgg	420
g						421

<210> 46  
 <211> 113  
 <212> DNA  
 <213> Mus musculus

<400> 46						
tttcagaacc	atttacaagt	tctgtaatgt	ggtanancta	taggaggggtg	tggcctgctt	60
ctgtcacctc	tgaggagtaa	tggactgtgt	tgtgggtatca	ctgggccctt	ttc	113

<210> 47  
 <211> 394  
 <212> DNA  
 <213> Mus musculus

<400> 47  
ccagcccaaa gcaagggagg tccagcannc canagtcctg ggcccaggcn ctcttgcaat 60  
ccccaanaan ccaaggagcg tnagtccacg tcccctgcag ccatgcagcc tgtccagctg 120  
ccccgcctgg ccttgtctcc accgctccct gccctccan caccancnc ggngctggna 180  
caagtggtag cctcatctcc tagcccaact cctcctcggc ccacctcagc ccagaaanac 240  
tccctggact tcttgccggc tcaactgaaa ctgccaatgc nntcanggaa ctgggttgga 300  
cccttcggca gggactggcc aaactgaacg aagccctcag tgccctgtna ccccttttgc 360  
cgggaacca nctgacccgc tgcccccgcc ccca 394

<210> 48  
<211> 281  
<212> DNA  
<213> Mus musculus

<400> 48  
gctggactct tctgtacca gtgttccaaa gcctctggaa ttcaagacct actcctgagg 60  
ctacaagttt cttagcccaa gcagcacagc ttctccaccc tagggaaccc tccattctcc 120  
gtgggttctgc agccagtaa ctctcaggca tgcatagaga gctgatggct cagggtccct 180  
agccagacct cccatcagag ctgacgggaa ctgcctgggg tagacacaag tcacagttta 240  
aaagtaaata aatcaagtgc tttcacttcc aaaaaaaaaa a 281

<210> 49  
<211> 313  
<212> DNA  
<213> Mus musculus

<400> 49  
ggcagaggag acggacaacn tattcntggc ttgcaaagca ncagggtggg cgggaactga 60  
ntgagagaga tgccanctac aaagagtgc cctncaaaaa tttcaancat gtgttnngcn 120  
cncngtccag ggtggncng gtcgcatcac atgtataact caccnccgc aaatagntcn 180  
cnttcttnna aannctcnaa attaccctca nctctcatga ctgtggcagc ctgacctatc 240  
gggatgtnaa tttggaccaa tnentgataa aactgcngct tctctgtgat ctgcgcctgc 300  
cttgtctgca cgt 313

<210> 50  
<211> 254  
<212> DNA  
<213> Mus musculus

<400> 50  
gctcagggtg gatcttcata ntacattent gntgactccc nactgctgn angntnaagg 60  
atcccctcac antccacctn tctacnagaa tcacagatta ttcagcggag aatctgggtc 120  
ccctcncctt tcatcataa ctgggtgcac tcccatantc tttcaccctt ganctaaaaa 180  
aatgtgggtg cacacntcta ggaatccctt cacttganaa gacanagtcc agtgggatct 240  
ttgtaaattc taga 254

<210> 51  
<211> 345  
<212> DNA  
<213> Mus musculus

<400> 51  
gtatccgggt tctgggggtg ggactctggg ggntgctnca ctgctencat tnntcatgat 60  
gattgggaat aaggtgcngt atattntccc tcagctcctt tctnatctcc ttgatgttcn 120  
tagangtctt acgtgtatgg gtgntaccta cnatncggct ccnngaaagn cttcanagga 180  
atntcctggg canctnctct aatnntcctc aaaacgtcct ntangccctc ngatatntnt 240  
ggangatctt atggctaccc aanaaacnct tnnaaaacct tgtnatctcc tctccaggga 300  
tgggtctgtg atcttcacca ttgagtattt gctgaatgac ctcca 345



<210> 52  
 <211> 149  
 <212> DNA  
 <213> Mus musculus

<400> 52	
actgggcaca tagtacttct agacncgggc naaaatntat ngctcnaatg tccttccgcn	60
ncanatannc gtancttnga tagtttcctg gtgtgtatgc cttttttagg gtttttcaat	120
taaaagaaca cancaagaat gtcaacgga	149

<210> 53  
 <211> 194  
 <212> DNA  
 <213> Mus musculus

<400> 53	
tgtggatcca gggatcnaat catcattacg tggggnatgg anggatatcg gancnantac	60
naggccctgg ctttggccat caaggcaagc cacannacgg gcatccagac atgttggtta	120
cgaangctgt tgtctataaa ganccggacc cnnccccgga agagagagac nnggaaaggg	180
gcggaatcct tgac	194

<210> 54  
 <211> 389  
 <212> DNA  
 <213> Mus musculus

<400> 54	
tgtggccgcg aaagtgacaa gctgctttcc agactccacg ggcccggctg cttttatggc	60
cctgcttcac agggagaaga gtggagcaca ggcgaacctc ctcagtctgg gaggtcactg	120
ccccaggacc tggacctttt agagagctct ctgcgccatct tttatctccc agagctgcc	180
tctaacaatt gtcaaggaac ctcatgtctc acctcagggg ccagggtact ctctcactta	240
accaccctgg tcaagtgagc atcttctggc tggctgtctc ccctcactat gaaaaccca	300
aacttctacc aataacggga tttgggttct gttatgataa ctgtgacaca cacacacact	360
cacactctga taaaagagat ggaagacac	389

<210> 55  
 <211> 341  
 <212> DNA  
 <213> Mus musculus

<400> 55	
atccatgagc agagctcaca gacaatggcc aagtgtgtca aagntgtcan cgagggcgct	60
caggcagtaa aggagccgct catatgctga gacatctaac aggggaccct ttttgctaca	120
gacagtaaatt ggacattgct gtaatccctt ataagttaat gttttccaac atgagtctga	180
atgatgtaat atttaaagtt atactatgct tatccgaaaa tgggtattgta cttatcaaaa	240
atcctggcag tttaaaatgt atgtaattgt gtgcaagcat taactagttt aataaaaacta	300
tcattttctc tttcatgttg aaaacactgg aaaaaaaaaa a	341

<210> 56  
 <211> 472  
 <212> DNA  
 <213> Mus musculus

<400> 56	
ggatggagac ctctcctttc ctctggagtc agtgaaaaaa cttaagggtc tccgcgaggt	60
acaggagccc agactgggtga gtcacaagaa gtttgctccc cggcttcttc agcccgtggc	120
accacagcta tgtagtagcc actctgcact tccagaagca ctgaggccgg tctgcgagaa	180
acccaacgcc gaggagatcc tgcagaggct agaggccatt gctcaggacc caaacacatg	240



tgagatctgt	gcctacgctg	cctgtacggg	atgctagagt	gacatcgctt	gcctttctct	300
cagcccatgt	ggaagcccct	ctatcttcta	gaagtcacga	ggctaacaaa	ctcataccct	360
cagcatctat	tgccctgcca	cagcggggag	gaggctgagg	agacagctac	ctggagaagc	420
cttgccctgag	ggctatgtta	accctcagcc	aataaaccaa	acttcagaac	tc	472

<210> 57  
 <211> 375  
 <212> DNA  
 <213> Mus musculus

<400> 57						
ggatagactc	cggccgggatg	ccactcccag	ccctgaccaa	gaaattgctt	cctgttgcca	60
gtctggcctg	ctctcctgcc	tccaacaacc	aagctgccga	tagcctctcc	ttttgctcct	120
ggaccctcca	tcttctcttc	cctctcatcc	tttgaccaac	cctccaactc	tgcttctcac	180
catcagctaa	agggaccagt	ccctagggga	gccaagagct	cccaagggaag	gatgaaggag	240
agaaggcaag	catcccaacc	agatccaagg	ggacactgtc	cccatgctga	atgctcagga	300
ctcttgggtc	ctgccctgtt	tacggatccc	tcattttgtg	taataaagtg	cattgagtgc	360
ccctaaaaaa	aaaaa					375

<210> 58  
 <211> 405  
 <212> DNA  
 <213> Mus musculus

<400> 58						
ggagccccgc	agtctgagcg	cagcatccgc	gcccttggtt	gagacgagca	ctccccctccg	60
cttgcgctcg	gccgtgcccc	gaggagaggg	ggcgggtgcg	gtgcaggagc	tggcgcgggc	120
gctggcgcac	ctgctggagg	ccgagagaca	ggaacgcgcg	cgtgctgagg	cgcaggaggc	180
tgaggatcag	caggcgctg	tcctggcgca	gctgctgcgc	gcctggggct	ctccgcgtgc	240
ctcggaccgc	cccttggtcc	ccgacgatga	cccggacgct	ccagctgcac	agctcgcccc	300
tgctctgctc	cgagctcgcc	tagaccgggc	cgcttggaac	gccccacttg	tccccgcccc	360
tgccgntgcg	ccgcgacccc	ggccccaatg	tattatgatg	gcccc		405

<210> 59  
 <211> 333  
 <212> DNA  
 <213> Mus musculus

<400> 59						
gcctgaagcc	ctagcttgnt	cgnagntgga	ccttcctgct	caancgctcc	tgctncagcc	60
aacatggggg	aaccggaagg	agncactcac	gtgcatcttt	ctaataaaca	aggtgatgga	120
tcancaggaa	gacgagtcac	caccgtcttc	cttacgaaga	tgatgtcaca	tcaaaatnaa	180
tatgatcctg	nncctaaagg	caancgggta	ctgaggatga	tgaagatgac	atgtngacac	240
caagaagcna	aaaacgagag	gatnatnacn	tccccncgaa	nnntncctta	cgccccgtgac	300
tattccccctc	cacttcccgt	ctcagaattt	aac			333

<210> 60  
 <211> 399  
 <212> DNA  
 <213> Mus musculus

<400> 60						
gttaataatt	gttgtctgca	ngcacacnng	acatgcctcc	acccccatcn	tancanacag	60
antnnttnnc	tttccantng	cctgtctcct	cnactgnnct	tgctnatgtt	acattatcat	120
ctncgcactc	tggnntnaaa	ttngtctcnc	nngttcctga	agttggccaa	tgatattcct	180
ctgaaccttg	aatgtggatg	acttcaggca	gccnngttn	cccaaanaaa	tggtaaccta	240
nanacacctt	cctaaaaggg	ctcccacgaa	aggggaaagc	caggaaaggg	caagangacg	300
gaccctgacc	actatgaaac	agactacacg	acaggtgggg	aatcctgcga	agactggaag	360

aagactgggt ccngggaata tcccctatca cttccgatc

399

<210> 61  
<211> 420  
<212> DNA  
<213> Mus musculus

<400> 61  
agctacgatc gacacactct ttacaacaat ncanggtata aggncccttat tcttctgctt 60  
gtgtccctcc tnggnatggc cnatgcnact cccggagccc ggggtntnat taactgctcn 120  
ggaggaagtt ntatctgttn nannactnnt ctctgtntga gcagaggctg acctnttgan 180  
ggggacctga ggcattgcc gttgcaccac aaggccatgg agaachctga ctgctacnca 240  
agcacctcta tnggatntat naccggtgtc cctgtgtagc ggggcctgat ctgtgacggg 300  
gantcgaach tcaacngcgc catctctnng ncnnttatg gcactctgct cnactccagg 360  
cgctccaaac agtganatca cccccttttn ctgtannct tcttctcttt ctccctctgt 420

<210> 62  
<211> 483  
<212> DNA  
<213> Mus musculus

<400> 62  
gacaatggga gcagccaaag cttagcctcgg ccggatcttc ccagagtcct ccactctgtt 60  
cctatgtgac atgcaggaga aacttcgaga tagaatcctc tacttcccac agatcgtgtc 120  
aatggccgct cggatgctta aggtagccca gatgctagaa atccccgtct tgctgacaga 180  
gcattaccca caaggtcttg gccccacagt tcccagagctg ggtgctcagg gtctgcaaac 240  
catgagcaaa acgtccttca gcattggtgcc cccgcttcaa caggagttgg acaactgcc 300  
ccagctgcag tccgtgctac tctgtggcat tgagacccaa ggctgcatct tgcacacagc 360  
tctggacctc ctggaccgtg ggctacaggt tcatgtaaca gtggatgcct gntcttctca 420  
aagtgagatg aaccggcttg tggcactggc ccgaatgcan caaatggcg tctttctgtc 480  
cac 483

<210> 63  
<211> 197  
<212> DNA  
<213> Mus musculus

<400> 63  
gcacagcccc tgccctgcctc ctgacaaccc cttggacttt gagaaaaccg acatgattga 60  
ccgtcccact tgatgtcctc gcctagaaga gtgacaagag ttttggagtc ttgagggccc 120  
tgctgtgtgt ctggcgctcc tggacatcag gacactaaat aaataaagac tgagtactgg 180  
gctctgaaaa aaaaaaa 197

<210> 64  
<211> 200  
<212> DNA  
<213> Mus musculus

<400> 64  
gttatcgctc agtggccgag cacttgtcta atatgtgcac agccttgggc tccatcccta 60  
atactgcaac aggagcagg gaatgctgct ggtgtcttgg tatctggggc aaagggtggg 120  
ggttaatgaa aagcaactca gactactgaa ccagatacag aaaggcaaat aaaaatcaat 180  
gtgttaccat aaaaaaaaaa 200

<210> 65  
<211> 145  
<212> DNA  
<213> Mus musculus

<400> 65  
agaatgactt ttgccccgaa atctggatga cctccagctt cacccgagcc aggagaaagt 60  
ctttgtgaac tgtgaagtga agtcaaaaag actgactgaa tcgaaagagc agatgagtca 120  
agagacccat gcaaaaaaat aaaga 145

<210> 66  
<211> 437  
<212> DNA  
<213> Mus musculus

<400> 66  
acttctgcat tccgcnnctt ctctggatac cccgccttca ggaagacttc caggactgac 60  
ggtacccagt ctccggcgccc tcctcccagc agcccttana atggcnaggg tctgggtcct 120  
gggaacttgc nccnctctgc attgcttccc atacactgta tttgccttng ctgatncaaa 180  
ggcccgagat gctctcagat tanccganac cgcagcaaac attgccagtg tgaccganan 240  
aagaatttct tcttaaagat anactcctca ttctgacacg tcacggagtc cctgtcatca 300  
caagtcanag tgtanctgga gtccccatcg tcccttctat gtccancaga tccaggacgc 360  
ctctttgagg cagatcattg ctgtaggaaa gccccatttn cctttcccca ctatccttgt 420  
cctcctcctg tgagtga 437

<210> 67  
<211> 195  
<212> DNA  
<213> Mus musculus

<400> 67  
ctctcatctt cggaaggctg gcaatcatat cganaatat gatgaaggac ttcanggatg 60  
ggctcaaact nttgcttctg ttggagggtca tttcacggga acgtntgcct aaccagagc 120  
gggggatnat gcncagtgca ctagatccnc cttaactctc anaatggacc ccaaactccc 180  
ccaaaaatcc ttttt 195

<210> 68  
<211> 175  
<212> DNA  
<213> Mus musculus

<400> 68  
gcacctgcac ttttcccacc tcagtgcact acaaggggtgc aattccctca caggccagaa 60  
agagggcctg gancccttg gaaacggtna acccatcctg taggtngaa naattnaact 120  
gagtcttctg gaataacaan cantgctctt aactnctgac ccatgtctct ctcca 175

<210> 69  
<211> 179  
<212> DNA  
<213> Mus musculus

<400> 69  
ccagaccagc ttgctcaacg acagatacta ttttggaaaa ttgcangcat ccctctcaca 60  
gccgggggtc tggggaaggg aagaagcaaa gaaactggtt ctctcccctg ggctttatgt 120  
ttggcaaact tgtttactta aaatccacct ggcccccaaa tttccattaa aattgaagc 179

<210> 70  
<211> 220  
<212> DNA  
<213> Mus musculus

<400> 70  
ggtctgcaag atgacagagc ctgactccca agttccgtcc tcctcaccac tccgctccct 60

cttcaagcca aaaggagccg gctgtctggg gtctgggttg ccctgattca caatcccacc	120
tggatctccc aaatttgtga ggaagggtgc taaaaagcta agcgctgctg ccgcacccac	180
tcagctccct cactgctgct gaccattcac aaaaaaaaaa	220

<210> 71  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 71	
aatctccgaa attcganatc aagctgancc gggaacctta atataacttc gtataatgta	60
tgctatacga agttattagg tccctcgacc tgcagcccaa aaaagta	107

<210> 72  
 <211> 255  
 <212> DNA  
 <213> Mus musculus

<400> 72	
ctgggtgggaa ttgcccccaa gatactgaac ctcaagggtgc aaatgccttt ccanccactt	60
cctgatgcat actcgggccc cctgccnact gcagnctttc gggctgtgtg anctcctgaa	120
ctgtctccga nnctcctgag ggagcctggg cccgatgtcc tcccatggat ccctgctttt	180
gtggcctgct tcattttccc ttcttaatgt acatgggtgt tttccatctc cacataaatt	240
tgcccccaaa aaaaa	255

<210> 73  
 <211> 196  
 <212> DNA  
 <213> Mus musculus

<400> 73	
gggtgataca attctggaga ctggagaagt aattccccaa tgagagattt tcctgatcaa	60
catcattgaa gagtccttaa aaacttaaca gacttgtgta acagcacaag tatgttccta	120
aagtgtgta ttactgaat ctgtttcctg gaaaagtaat taataaagct tattctcaga	180
gtgttaaaaa aaaaaa	196

<210> 74  
 <211> 186  
 <212> DNA  
 <213> Mus musculus

<400> 74	
agaacaattt atctctngga tacggangaa catcactagg cacattttat gaatactcca	60
antcctaagt tacactgana tctagacctt catttggcag ggtcaggcca ttggatgggtg	120
ttgctgtatt gtcttgtcat gtttttaaaa tctgtgcact ttgtccaaag ttgacatttt	180
tttttt	186

<210> 75  
 <211> 309  
 <212> DNA  
 <213> Mus musculus

<400> 75	
gccccacctc cctccctcga atcanctcg atgaaantca naaaatgtag agtctcanaa	60
tatctgttca anggtctgac ngtcgcanga tcctcncnaa gggatagtct gccgtcccca	120
tngtttctga tcccnccgggt caccactgcc nccancaacc tgcnaaangc tgctgaancc	180
catccncang accaccatnt tgaagaggaa tgttttctn actgtattgc cncgtttgag	240
gaagaccacc ccngggcgca cntggcangg agcantgcc aagatnattc tcgtcctcaa	300

ctggatgaa

309

<210> 76  
<211> 218  
<212> DNA  
<213> Mus musculus

<400> 76

ttccaatgac	tgccctttna	caataaaaatn	ggaagccaca	accanngtct	tttggataaa	60
gcancacaat	ngacattgta	atcgaaggca	acnatacgcn	tatccttccn	taggcactta	120
tctttcccaa	ncatgggaaa	gacnncct	ccccactca	tecctccnc	netcncactg	180
nctggtnngc	tntcagaact	atgtaaaata	aaatataa			218

<210> 77  
<211> 531  
<212> DNA  
<213> Mus musculus

<400> 77

attccactcc	gttaggatta	aagagacaga	gtgtacttcc	cccaggagag	acagcctaaa	60
gactgcgact	tcctggagga	tggggaggag	agaaattgca	cagggaaatt	cttcanaagg	120
cggcagtcaa	cctncctgac	cttgacctgc	gacagggatt	gcagtcgaga	ggatacccaa	180
gaaaccagtt	ttaatgataa	gcaagacgtc	tctgaaaagg	aaaagttcga	agatgtgccc	240
cctcacatca	ggaacattta	tgaagatgcc	aagtatgata	tcatcgga	catcctgaaa	300
aatttctagg	gctggaaaga	ggagggagg	gctccctgca	tactatgacc	tcctctttac	360
ctncactacc	catctncccc	tnctgnattc	angatctgcc	cctccttnct	gcccttccca	420
ggaacacccc	ctctagagta	ctctagctcc	taancatnca	tacctttgtn	catttgcttc	480
ttctgctggg	ccttctgcct	taccctntat	ctgaaaccct	tattgattct	t	531

<210> 78  
<211> 233  
<212> DNA  
<213> Mus musculus

<400> 78

ggaagtacat	ttgaagaaca	caagtagagg	aagtgcagga	aacaagacct	acagaatgta	60
ggaggagcct	cccacggagc	agaaaatgcc	acatcacccg	aggatccttt	gctgcttgag	120
caacctgcaa	aacatcgaaa	cacctaccaa	ataacaataa	taagtccaat	aacattacaa	180
agatgggcat	ttcccccaat	gaaatataca	agtaaacatt	ccaaaaaaaa	aaa	233

<210> 79  
<211> 554  
<212> DNA  
<213> Mus musculus

<400> 79

tgacgtgaaa	cgcgcnctta	cnagggagaa	tcaccacact	gaaacccaga	gagacaaaag	60
aagatgacac	tgctggaacc	aggatgcagg	gccactcctg	atctggatgc	tgggggttaag	120
caagtgcaag	gcaaaggcag	agcaaaggct	ctgaggcgcc	tcttcccgcc	atgccgcca	180
cccctggaga	aacacctgct	atttcaactc	ccaagatcc	tttaggaaaa	atcattgctc	240
taggcctctt	tgatttttct	ctcaaaaagca	atagctgtct	gcctcactgt	gcctttgttg	300
ctgtggaaga	ctgaagatat	aaatgagcat	tactgggatg	ggacgtctgc	gtgaagactc	360
actggagatt	cctttcaaat	gccatctttc	tgtacactag	atttctttct	ttggatcctt	420
aaagatttct	ttccagtgtg	aagggtttat	ttgttttggt	ttaatgtcta	tatttgtttg	480
aaaaaaatca	ctgtgatttt	acatttcacc	acaattaata	aacattggga	gcttcattct	540
ggtaaaaaaa	aaaa					554

<210> 80

<211> 322  
 <212> DNA  
 <213> Mus musculus

<400> 80  
 ccaaaaatgg atttgctgt cccaccaggc agagacagga gtctggagtc agttcaaggc 60  
 gagccccagg agtccatcag catgcctcag acactgacca gcaccctgga gcacatcgtg 120  
 ggccagctgg acatcctcac gcagacagtg tccattcttg aacagcgact gacactaaca 180  
 gaagacaggc tgaagcagtg cctggagaac cagcagttaa tcatgcagag aacgccaccg 240  
 tgatgagggg agcaaggatc aggagctcag tgattggggg gacagcaggc cagggatttg 300  
 tatgggggact tgagtaaata cg 322

<210> 81  
 <211> 168  
 <212> DNA  
 <213> Mus musculus

<400> 81  
 ttcaactcca ccacctcctc agaacttccc ttgggggaaga tctgcatggg ccgcccctat 60  
 acctccaagt gtgtagagac gagtcacctg acgagaggcc ccaagggtgt caaaaagccc 120  
 aacctgtcac gcacagccct cactgcctga tctgcacaga ccaaccat 168

<210> 82  
 <211> 275  
 <212> DNA  
 <213> Mus musculus

<400> 82  
 acatgaggat tccccctgt angatggagg aaagggtctt gctaccctga ctcaccacaga 60  
 gccggccgcc ttatggggac tgcagcaaga tggatggaaa atatgtgcag gatctgttgt 120  
 tacaatagac agaaaactga actgtagtct atgtgtagct tccgaccaa ggaacttctt 180  
 gagttaatat taacttaagg gactcccttg ggcaaagtta ctgatagtgg ccaaaggccc 240  
 tncgggtctga ccantccca aaaaccaaac ctgct 275

<210> 83  
 <211> 232  
 <212> DNA  
 <213> Mus musculus

<400> 83  
 ctcttttgc ttcctaacca tcggaatggg aaacatcctn gatagggttc ggatcnagtt 60  
 cctgtggcaa ggctgantgg gacggatgga cccacctncc gcttgcaacg tgcccctggc 120  
 caccctgcct aggtatctgt ttggactacg aaacgggggn gcgggtctcc ttcttggaat 180  
 gcnntgtcct nccgtgggct gctcaantgc cccctggaac tgctcagggc ct 232

<210> 84  
 <211> 319  
 <212> DNA  
 <213> Mus musculus

<400> 84  
 tcttctgctt gagtccctcc tgggcatggc ccgtngcnct cccggaccen ggntannatn 60  
 gagtgctcnc aagacagctn tatcgatctt actacnggtg tccctgtgag cgngnctga 120  
 cctgtgangg ggacangagg catcttcngc tccatcacca acgnattan gnactctgac 180  
 tcgactccag gcactcctat cggatanatc tacnngttt cctgggtaat gnggttcttc 240  
 tctttctccc tcagtncnat ctgaaccngc catctgttgg cnntntatc ccacttgcct 300  
 cctttccagg ggctccaaa 319

<210> 85  
 <211> 387  
 <212> DNA  
 <213> Mus musculus

<400> 85  
 taatatctat gctatgatgg cctttttggaa cccaagagtn ggattacnac acccaganct 60  
 gggggaatac tcatgagtg ccttcttgcc ctagctctta ccacgtgcag ctttcttctc 120  
 ctttccattc cctattcctc catttcctct tcccagccct tccctcagnc aagcctctgg 180  
 gtccttgggc tctccatttc ttcatagtc tctcctatc ccttgtctct gccctgcac 240  
 cngcccttcc ctcantgatg gttggaggaa tgtactanac ccgagaatcc ccggcctggc 300  
 ctgagagatt anatctgtct gtgtgctgcc ttggctctca aantaagcag ctaancccca 360  
 tttggttctc aataaagtgt gaatcac 387

<210> 86  
 <211> 406  
 <212> DNA  
 <213> Mus musculus

<400> 86  
 atggaagaca cttganaccc tcttccnccg gaggtggcnc canaggaatc tacgcancan 60  
 gcgtngattg aggagccctt gnacctgtg anttntccga ntgncccttn acagacgctg 120  
 cctntaaana gnctagtnct tgtgncttag gnttttcccc tgctctanaa nngcactgnt 180  
 ctttgnagaa gtnattcctc ccnctacctc ccatgngcca cacttttaat naactatnat 240  
 tctcctctta gaggnagnt agaaanccac ggcccaanat tctgtcact ctcattatcc 300  
 ctctagatca gnagtacatt ntgagacctg tntcacaagt ggtcatttct cttctctcct 360  
 gtctggcacc cgatcctaag taaacaagt actaatataa tcatga 406

<210> 87  
 <211> 540  
 <212> DNA  
 <213> Mus musculus

<400> 87  
 gtgaatgagc tggatggcat tctctctgac ctggacagca gcaacatcga tgacaacaac 60  
 ccctttatga tgcagtgggt ggtgtatgct gtgcgaaatc tctactgaaga caacagccaa 120  
 aaccaagatg tcattgccaa gatggaggag cagggcttgg cagacgcac cctactgaag 180  
 aaaatgggct ttgaaattga aaagagtggg gataaactga ttctgaagtc taataatgac 240  
 atccccccgc cttgaatgcc atcttcatat gaacacattc agattccatc tcacggacct 300  
 ctcatctctg cagtgtatga aatcacaagt attggacatg tagggtagac atgagggagc 360  
 ctccataatc tttagagtaa atgagtgtaa gctacaagtg gacgttttct ttatttcttt 420  
 gcagtaagtg ttactgtctg cctcaccttt gtccctctgg gtagaactcg ctttcccgtc 480  
 atatacattg tgcttactgt ttagtagtaata aacgtctctg tgggcacagc cctcactcgg 540

<210> 88  
 <211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 88  
 tcaaggattc tccgccggcc anagcccaac aggacacccg gactctcgca aaacacntnt 60  
 ctacaccgat cgggtccaaa acaaggtctc aaaaaagctg aaggctcccg gtccccaanc 120  
 tctccacac tctccaaacc ancantcggg agggcttgcc tgcttggtct gtggctctcc 180  
 cttgtcccca atttcggcca cccccgcat ctcctgctct cttttcccg caccgggagc 240  
 catcccgtcc ctccgggctg gtacctnact nanaaaacnc gggcntgaca caatgccccg 300  
 caggtcaatn tnaactgggg aggaaagccc gctcttcagg acaaaactcc cgaacttnaa 360  
 agcctgcnct tcatacagct cggtagacca aggggccag 400



<210> 89  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 89  
 gatctggaag acgccccact gaaattcntt nccggcaaaag gaggggtacgg gaaggattna 60  
 ancgtaagg gtcccaaatac ccggagagag agaganatcg ggcntctaga ntcnggggtgt 120  
 ccaggacant nactgcgcat ctgcacaaac tcttttctaata tatctaacia tnttactctt 180  
 tcagacactt ctttctatct ttcttttggg gg 212

<210> 90  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 90  
 ttcctgggag ggcagtgaag gggatggaaa cactgactga aactgtaaat cctgccactg 60  
 ctgtgtgtgc tnaggctgga atctctgcac ctgcctntca ctcaggacgg gggggancca 120  
 aaaattcggg ggctggcttn tgnatttacc ctggcttcat aacctcagga tattaaattc 180  
 tcatcccagg aatcagctgc caacttttagc ccatncntct tttntataca ccttancatn 240  
 aaagggcact ttttaaaaaa a 261

<210> 91  
 <211> 181  
 <212> DNA  
 <213> Mus musculus

<400> 91  
 ctatgtaaat ctgatengaa gcccttanta tagtntcttg gattgtgcac anaatagaaa 60  
 aatgtntgga aggcaannnn acncttange ttcccaaggc acnnatcttt cccagcatgg 120  
 gaaaaatcct ccctccccct ccctccctcc ctcctcact ctttctatta tgctctctta 180  
 t 181

<210> 92  
 <211> 418  
 <212> DNA  
 <213> Mus musculus

<400> 92  
 ggaaaaccct ccagagcatc ctcagggaag ggatgccacc ctccagaagt gatgaagaca 60  
 attcaaggct agggcccaaa ccaacttcca caatgtctca gactctctcg ggaggggtccc 120  
 gggctgtcag caattctgta aaagggtcagc gtaaatactt tgggaggcat ttgtgtaggc 180  
 atggctctctc ataaatgagc gtctgccaac cccatatatt tctaaaaaca tctgcactgn 240  
 ctnnaccntg ggttcaaanc agncaanntn cngggncntt cccntgaacn tnaaagggcc 300  
 gccaacctng ttttggnatg ggnancntcc aanctnaggn gaacntcatg ngagatatct 360  
 ntactcacat ntcacatntc caaacttccc agcanaggca anaaatctgg ggaaactt 418

<210> 93  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 93  
 acatgcatcg ccagtgggca aacctgatgg aaaaaataca ggcctctgtg gctaccaacc 60  
 ccatcatcac cccantggcc caggaaaatc aatgantatc cttctcctgt cctgcaacaa 120  
 catccatata cagccagggt gccctgtccc aagcacctct ctggccctct ggtggccctt 180  
 gcttaataaa aattctccga gcacaaaaaa aaaa 214



<210> 94  
 <211> 445  
 <212> DNA  
 <213> Mus musculus

<400> 94  
 gactctagac gtcctctcca gaactcttct caagttatgt ccagatccca ggcccctctg 60  
 gctccaattc acactcctga gctctaagga tcacagagct gtcgtctctg tagccagatg 120  
 gcactcctcc atgttccccg gatggccact tatactctca cccctcctct tagccctcca 180  
 gaaagatgtg tggcaagggt ggggatggac atgacgtgaa gaaactcacc ttcaggagcc 240  
 ttccttacag caggagggtc cagaggcacc tggcctgact ccatccttta tgggttgagc 300  
 gacattgccca ggtttacacg gcctctgagc ctggactgtg aggctaggaa ctcacgtcac 360  
 aaggnttggt gttaaggatc cagttagctg attgggtaga gcacctatga caggacatgg 420  
 cgtcctgcaa gcacgcaata aaacg 445

<210> 95  
 <211> 339  
 <212> DNA  
 <213> Mus musculus

<400> 95  
 catcttggtg tgtttctgtc ttccttggac cacttacagc ttggcaagtg tcctcatcat 60  
 cggtagctgt gactctgtcc tcctgaanaa tatcttgagc gtgaanaaat tcggcagcgc 120  
 tagaaaaaaa tgtcataata ataaatacac tggaaantca tttatctcaa tnacagacta 180  
 cntgcaattc aaaaaccgac atactaatct gttgcttaaa ntaaaatcag gggccaaata 240  
 aatgattgaa taactataat ttacttcaaa aaaatgcctt gaacaaaatc taaaanctga 300  
 acctgtcnc ctaaantaac cttttcattg tataaatta 339

<210> 96  
 <211> 264  
 <212> DNA  
 <213> Mus musculus

<400> 96  
 ggtggttttc acagccaacg actctggcca tcgccactac accatcgcag ccctgctcag 60  
 cccatactcc tacagcacca cggctgtcgt cagcaacccc cagaattgag agactcagcc 120  
 caggaggacc aggatcttgc caaagcagta gcatcccatt tgtaccacaaa cagtgttctt 180  
 gctctataaa ccgtgttagc agctcaggaa gatgccgtga agcattctta ttaaaccacc 240  
 tgctatttca ttcaaaaaaa aaaa 264

<210> 97  
 <211> 292  
 <212> DNA  
 <213> Mus musculus

<400> 97  
 tccaaccccg cggacgcacc cgcnaaactg ancagaaata ggnnaaacn acgggcagng 60  
 cnaatccagg cctggcgctg cgggcgggaa gacgctggcc tcagcgagcg cggctcatct 120  
 tccagattag aagattcccc ccgcacacac caggggaccc ccgcaacacc aaggcacaga 180  
 cagcctccgg acagagctgc cgcccactgg gctctgtccg cccatccgag ccaacactgg 240  
 ctcccgaata catcataatt tggaataaaa tgtgaaatcc caaaaaaaaa aa 292

<210> 98  
 <211> 218  
 <212> DNA  
 <213> Mus musculus

<400> 98

gtggggtctt	tcaaagacct	tggcgagaaa	gccagacctg	cgctggagga	cctgcgccat	60
agtctgatgc	ccatgctgga	gacgcttaag	caccaaagtc	canagtgtga	tcgacaaggc	120
cagcgagact	ctgactgccc	agtgagggtg	ccgcttccac	tccccacccc	cgcataggct	180
ttcttacaat	aaacctttcc	aaaatggaaa	aaaaaaaa			218

<210> 99  
 <211> 273  
 <212> DNA  
 <213> Mus musculus

<400> 99						
ggaggaagca	agggcagtcg	gcagagccga	cccaccatcg	attcggacac	aatcacctgc	60
tggaatttgc	agagccgggt	taaatatgat	cataacgtcc	agaagtctgt	ttctaaaata	120
tagaaaggca	agatgacagc	tctaaggatg	ccaattttga	agaacttgga	atcttttctg	180
tttgcattaa	accttgggct	catctagctg	ggtttcctgg	tgtgacagga	gaaagaaaca	240
gtaataaaaa	atggcttcct	tgaaaaaaaa	aaa			273

<210> 100  
 <211> 210  
 <212> DNA  
 <213> Mus musculus

<400> 100						
gggccaacag	agccaggatt	cagcaggagc	gccagcagag	gcagcagcct	cgggcagaac	60
cctccctgcc	tccagaaagc	tccaggatca	tgccccagga	cacaagcccc	tgagaggctt	120
aactaaatgg	gaccttcatt	ggtcctctcc	ctgctgcctg	tccagaacta	cacgtgcaat	180
aaactcattt	tcagacgcca	aaaaaaaaaa				210

<210> 101  
 <211> 447  
 <212> DNA  
 <213> Mus musculus

<400> 101						
cttgagggtt	gcccgcagat	ccatggacac	cttgtgctta	gagcccagta	gggctcggag	60
catggcatcg	gctgagacac	ggacccggcg	caggggagga	cgcttgaact	tcccacggag	120
gtccagcacc	ttcagcttca	ggtccttgat	ctgggggagc	aaaggagcca	ggctctgagc	180
cagggatggt	agacctagag	ctctcaccct	gaggatccaa	ccactgggct	tccagctaga	240
accatcctac	aagtcctccg	ggctccaggc	tagaccatct	ggggtgctca	gaatctccta	300
cccttttcca	agcaatcact	acacacgcta	aatgttctaa	atgaactttt	acagattacg	360
cccactagtt	aaccttgcc	cttncccata	accagtncc	caattaantg	ataagccaat	420
aaacctttac	tcccatttgg	aaaaaaa				447

<210> 102  
 <211> 104  
 <212> DNA  
 <213> Mus musculus

<400> 102						
aatatcccg	aaactaancc	ctatcctgct	naccatctcc	tgcttctggg	tccaggctcc	60
ngaaanncan	ttgggaaaaa	tgggcctccc	ccctccttta	taaa		104

<210> 103  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

<400> 103

tgcccaggct	cccctaagtt	tccaagctgg	cctccacctt	gcaacgctgc	tgcttcagcc	60
cgagtacctg	gattatagtc	cttcagtgtc	ccgcccagct	cacaaccttc	tagggtttgt	120
tctgttttta	aggaagtcag	catttggaag	atctacacct	gtacaagatg	tggaataatca	180
cttgatcaaa	gtaaaacaag	gcagaataaa	agttggatat	gggaaaaaaa	aaaa	234

<210> 104  
 <211> 307  
 <212> DNA  
 <213> Mus musculus

<400> 104						
agtactgcta	ccccgcctgg	cccaagggtga	agattttaact	attagaggat	tcaaccatga	60
aggtctgggt	atacagtgc	tccctgtgac	cccagcactc	tgtgcagaag	caagaagata	120
gcagcaaatt	caaggcctgc	ctaattgacct	acctacaaag	tcataactta	actgagacac	180
tgacgctcag	tagaagctga	gcagaaggat	agagacctgc	aggccagcat	gttctgtcta	240
gcaagtttaa	ggatagggtt	acataaggga	acccccgtct	caataatata	aagtaaaata	300
aaataaa						307

<210> 105  
 <211> 324  
 <212> DNA  
 <213> Mus musculus

<400> 105						
tgccaggaat	ccttaccgcc	tatgtgcac	cttcctaagg	acataggcgg	atgccgagct	60
gtgtttgtga	aatggtacta	taactccaaa	actggcaant	gtgantggtt	ccgctatgga	120
ggctgcaaag	gcaacaaaaa	caacttcccg	agcaaaattc	agtgccaggc	antctgcac	180
aacacctgac	ttgtcaagcc	aanccagccc	tccatggant	caanctccct	ggggaccctt	240
gaagggtttt	gtttgtgaat	aataataatt	gcatttccct	aaatacattt	ccctaaaatt	300
ctgtctatct	ccgaaaaaaa	aaaa				324

<210> 106  
 <211> 183  
 <212> DNA  
 <213> Mus musculus

<400> 106						
gttcagatga	tgcaaaggaa	cggaaatcct	tcaaacacnc	aaanacacag	tacggnaaac	60
acagcacaga	atgagagcag	gttcaggccg	aacctcaacc	caacctggag	ggacatctat	120
cctgcttggg	ccaccccggt	ccttgccac	aactttgaca	aactccatgg	aattaaaaaa	180
aaa						183

<210> 107  
 <211> 132  
 <212> DNA  
 <213> Mus musculus

<400> 107						
ggggtgagaa	agatccagag	gnaatggcca	ngnctccctc	aagagaagat	gnctacatta	60
taaactccct	tttcaacccc	aacacccact	atatattttt	aatatataga	aaaaaaagct	120
aaaaaataaa	aa					132

<210> 108  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 108

ttccaaactg	ccttttgaga	ataaaatggg	aggccagaac	caaagtcttt	tgaataaagc	60
accacaactc	taacntgtan	gganganac	naaaccaaaa	ggaaaaaatc	tttcgcanca	120
tgggaaaaac	ctccctccgg	gccctccctt	actccctccc	tcccttttga	cccattttca	180
ctcttccacc	atacactcaa	taaaataaaa	taaa			214

<210> 109  
 <211> 111  
 <212> DNA  
 <213> Mus musculus

<400> 109						
atgccactct	cttaggttta	aaaatcnctg	gaataccaaa	aancaacnct	tcctctgggtg	60
ggcaactaat	tcttatcttt	acatggnaca	gggcgggggg	gcaggggggg	g	111

<210> 110  
 <211> 119  
 <212> DNA  
 <213> Mus musculus

<400> 110						
atgccactct	cttaggttta	aaaatcgctg	gaataccaaa	aagcaacnct	tcctctgggtg	60
ggcaactaat	tcttatctnt	acatggnaca	gggcgggggg	gcaggggggg	ggaatttga	119

<210> 111  
 <211> 161  
 <212> DNA  
 <213> Mus musculus

<400> 111						
aagctggatg	tcagatccct	gggaggatat	gagaggatgt	ttccagaaag	accgaactaa	60
aaaggaacgt	ccaaccctga	atgtggagga	catcctcctc	tgggctgggc	tcccagactg	120
agtaagaaga	aaataagttg	agctcgcccc	cccccccccc	c		161

<210> 112  
 <211> 226  
 <212> DNA  
 <213> Mus musculus

<400> 112						
agggtacagt	ggcgactgga	aaaacacttc	actgtggccc	aaagtgaggc	ttttgacagt	60
gtttaccgaa	agcaaatgca	cgggggtgcaa	aggttccctt	gggacacntc	tgaaaaggat	120
ancagccctg	atggccagcc	tgaccctgag	cccagcccca	gccagccttc	tgatgacccc	180
aaccaggat	cctcacaata	aacttatcac	tccaaccaa	aaaaaa		226

<210> 113  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 113						
ctgtgttcct	ggtgcctgtg	gaggccagaa	gagaatgtca	cgatcttcta	aggctgggga	60
tgcagactct	tgtgagctgc	catgtgagtg	tgggacttga	acagcagcca	aatactttta	120
acccttgagc	catcacttca	gcatctcccc	cacaccttct	ttaaaacagt	ctcttgtaac	180
cataactgaa	aactatcttg	aagcctgaat	actcccactg	ctatcttgag	tgtgtggctt	240
agcatcatgt	atcacgcctg	gtctatgggg	ttctggagtt	gaaacaggac	ttcctgcgtg	300
ctaggaaaac	actttccaac	caagatacat	ctctaccaga	attccttttt	tggtattttt	360
tgtttgtttg	gggttttttt	tttggggggg				390

<210> 114  
 <211> 262  
 <212> DNA  
 <213> Mus musculus

<400> 114  
 gactgaggca tgctgcagaa gtgtccttcc atcgatgact ttgtggatgc cctcgtgtct 60  
 gacatgaatc tggactttga aacgttcttc ctggattcta aatagcagca gcatggctcc 120  
 cgtggataag aaccttgtca ccagaccctc cagctaggaa agctcgctcc agcttcagcg 180  
 atcactgagg agacattttc tgacaagcct taaattgaca ggactcagaa taaatagtaa 240  
 tgttttaatt acaaaaaaaaa aa 262

<210> 115  
 <211> 297  
 <212> DNA  
 <213> Mus musculus

<400> 115  
 acacaatgta ctccgcnaca tccanctaac tcaactgaan antgaaccgt tncagcctcc 60  
 anaaggggaag acagtgatgg tggcactgga ggcccagctc ggaatgtcgt gggctgaggg 120  
 caaggggag cctctacctt antccctcca accctactgg gcaccttccc ctgacctgcc 180  
 canctcgga tgtctgtctt gggctgaagc caangggcag cctctacctt atttccacca 240  
 acctcaccgg gcaccttccc ccgactcatg cttttactgg taaaccgctg ccactgg 297

<210> 116  
 <211> 144  
 <212> DNA  
 <213> Mus musculus

<400> 116  
 tgatctgcaa ataaacgcaa acnacagggc cacgcacgag cctcagcccg acgtgtcttc 60  
 ctccctgtccc ggggtcaaaca attgtggcag taccctnta tctgtcnctt nnagcttcnc 120  
 cnttgnccaa acccccgatt tcca 144

<210> 117  
 <211> 463  
 <212> DNA  
 <213> Mus musculus

<400> 117  
 caagccggac cctccggaag gcgtgcgcct gcgcacagng ggacacgcgc ctgcaggtgc 60  
 tctggcatcc ccctgcttcc tggcccttcc cggacatctt ctctctcaag taccgactcc 120  
 gctaccggcg ccgaggagcc tctcacttcc gccaggtggg acccattgaa gccacgactt 180  
 tnaccctcag gaactcgaaa ccccatgccaa agtattgcat ccaggtgtca gctcangacc 240  
 tcacagatta tgggaaacca agtgactgga gcctccctgg gcaagtagaa agtgcacccc 300  
 ataagccctg aagagggact ggatccttga tatcagaccc tgatgtcgtc tacttgaggg 360  
 tggcaggggtg gcctgtcctg agtctgaata ctgactttcc atgtactggg ctgctccgaa 420  
 gcactggata attcacttga ttnttnagac ctcaattttc aaa 463

<210> 118  
 <211> 311  
 <212> DNA  
 <213> Mus musculus

<400> 118  
 gtctagggat cggaagatgg tgggtgatgt gactggagcc caggcctacg cctccactgc 60  
 taagtgcctg aacatcagca ccttggtcct cagcatcctg atgggtgtta tcaccattgt 120  
 tagtgtcatc atcattgttc ttaacgctca aaaccttcac acttaataga ggattccgac 180

ttccgggtcct gaagtgttc accctccgca gctgcgtccc tccttgcccc tccctacacg	240
caggtgtaac actcatttat ctatccacag tggattcaat aaagtgcact tgataaccac	300
caaaaaaaaaa a	311

<210> 119  
 <211> 320  
 <212> DNA  
 <213> Mus musculus

<400> 119	
tttccaaaat gcctttccag gntagaacca ggctgcggat ctgctggcgg gacacaacag	60
tccatgcatg gacntcccta ntccattaga accggaanag gtcagctcag gaccttttga	120
aaattcnatc aggcacccct cccctcctgg aagaaaangt gaggaacaa tctggaatga	180
gataggctga ctaagcccct acaacctcat tccctaaana ccgattattt taaaggggtgc	240
actgttctgc caatcatatt gtgcctantt gctgatgctc tattctgccc ctggaaactg	300
tntaaaaact cattgaccaa	320

<210> 120  
 <211> 284  
 <212> DNA  
 <213> Mus musculus

<400> 120	
cttacctctc ccaatagtat atcacgcgaa tgtgaatacc accctgggtg aaatnggccca	60
tcttcccacn atactcccaa actctgatct gctcccantg tcacataacg cncangtgct	120
gcgncntgg ancctcnenc tgtctctgga tgnacnactn ttgccacatt aangntaagc	180
taatgnttga ctntgaaata aacatncctn nactgacnt nggctnctna aggcctgggg	240
aggcaggacg ctctctctct tcccttttgt aggtcttttg gtct	284

<210> 121  
 <211> 154  
 <212> DNA  
 <213> Mus musculus

<400> 121	
tttggggtaa atacaaacac nactgcggtg gtatgaacct cncctctggca naaatcaact	60
gcatnggtcg tgggtctttcc ccatccagga tttatcnng angcagtctn ccaatttctg	120
aaacctnatg cncatcantt actttgggct gaaa	154

<210> 122  
 <211> 376  
 <212> DNA  
 <213> Mus musculus

<400> 122	
ggtagactct ctgctccagg ttctcaagga aaagggagga actgccagct gaagggacaa	60
cgacaagggc ggcttccaag gagcaaaaaca aaacccttca aagactgcct tctgcaaacg	120
tcaactctac tggaccatca acaagatttc ctttgtgcaa tttacttaac tattctcctt	180
atctttcaac cgcaactaaa ctcggtgattt ttcgagcagc atcttctggt ttgaacttgt	240
ttctgtgaac cactcactac ttagaaagag ctttccaatg aacgcctttt ccagctaggg	300
tttttggtga ttagattcag ggctccaatt tgctaccatt cacaataaaa agcttccgtg	360
atcacgctgg ccaaaa	376

<210> 123  
 <211> 161  
 <212> DNA  
 <213> Mus musculus

<400> 123  
ggaaaaaaca aaaccncagt ggattcaaan tccataanta atttggaant aaanaccatn 60  
cctggganca agtcagtgga cnctgggatc tatctggaca gtaattanca aatggatnan 120  
cctgaaangg gcatatgcat aataattatt tgtaagcaac t 161

<210> 124  
<211> 185  
<212> DNA  
<213> Mus musculus

<400> 124  
aggaccggac tggaatagga acatacagct ggcaaaacca gtatgcgagc ccagatatct 60  
aaatnctgca ctgtttttaca tgtgtncctc cagtgtcatc gaaactgttg tctanaacat 120  
aaaaacatgt tgggtaccct gaagaatgaa gaaaggggac tggtgaaaac atgggaaggg 180  
cttta 185

<210> 125  
<211> 115  
<212> DNA  
<213> Mus musculus

<400> 125  
gggaccttca acctgcgacc tcgntttcttt cncgctgcc natccgtcng tcangacnag 60  
tagtcacctc ggcncctgagc tcagctcang gtagcacccc gatgttggtt ccctt 115

<210> 126  
<211> 362  
<212> DNA  
<213> Mus musculus

<400> 126  
gctctacatc acctgcctct caaagtcgcg ccagctaacc agatccccga taagctcaac 60  
aaagcctgtt cgttcaacaa gacttcccag agttgggtgc cagtagaggg tgatgctgac 120  
atctgtgatt gctgcagcca tggcaactgt agtaattcaa gctcttcaca gttccagatc 180  
catggacccc gccagtggtc caagctagtt tctcgaaacc gcaggcacgt gaccgatgaa 240  
gctgatgtca ctgtagggcc cctgatattc cttggaaagg ccaacgacca gactgtggaa 300  
ggctggactg cttctgctca aacctctgtg gctcttggtt taggcctggc cacagtggca 360  
tt 362

<210> 127  
<211> 230  
<212> DNA  
<213> Mus musculus

<400> 127  
cctcttctgt ttccgggaat caaanggaaa ataacatgtn tgtgtgcnac ccaccnggga 60  
aancccaana agtggaaaat ntgagaaaaa gtgggggtgca ctggaatgtc tgtcgctcnn 120  
aggaggagtg gtggggnnct tcnngaccct nngggggatg naaatcgctn cccttcttgg 180  
ggcctgttta tncaanttaa tgggtggaaat aanccccttt aacattaggt 230

<210> 128  
<211> 160  
<212> DNA  
<213> Mus musculus

<400> 128  
ggaatgggccc tcccctcnac cctttataag cgangttgcc nttaaacatt tnancnttgc 60  
ttgatcttga ncananggaa taaaggtccc cacctccttc cttentaact ggtntcgcaa 120

cantaaatat ttgagctttg atcagtaaaa cggaaaaaat 160

<210> 129  
<211> 103  
<212> DNA  
<213> Mus musculus

<400> 129  
atgaggtcta ccttancctg gtgctggact ntgttccgga naccnngtaa agaatcgcca 60  
ggacgctata tcggaggcat cgcagacagg cctgtgatc tat 103

<210> 130  
<211> 130  
<212> DNA  
<213> Mus musculus

<400> 130  
aggggagcat gggcctctat actggaaaag gcctgggaag gataacttca ctcaggaata 60  
caaaatgacc taaatcacag gaccanctgt cccgtntccc attctctccc ttaaaattaa 120  
ggtttttgca 130

<210> 131  
<211> 201  
<212> DNA  
<213> Mus musculus

<400> 131  
tgcccaacgc agcccggatc gtgggagccg cgcgacccag gagtcgtcct tgcacggctt 60  
gcaagaacat ggcttgcttc anaaagaaaa tagtttngtc ttctctaaca acttactttc 120  
agctngtcga aaatgaaaat aaaaagcact ggagagaaat aatttctngc actttatgaa 180  
tctatttttta aaataaaaaa a 201

<210> 132  
<211> 240  
<212> DNA  
<213> Mus musculus

<400> 132  
cagggatcct gaattgacct gggctctggg ggcaatntgg atgcctgtnt gatcactgca 60  
gggggtgcca acctgcaaaa agcattnacc accccnccg ancctttgca aaaacctggc 120  
cgttaccnat ttgctcctgn aaccacncct ttccnaccg gggaantnaa acccctgacc 180  
ctggaacttc ttgaggaaac tgtgcaggcc atggaggtga aataaattgg cctaaaattt 240

<210> 133  
<211> 215  
<212> DNA  
<213> Mus musculus

<400> 133  
ttaagcctga aacctgcttg ctaggggttg agcttccccg ctcaatcttt ctgcccgcgc 60  
actgctggaa cctgccgctt tgctgttccg aagccatcac gtgatcacc tgctactgga 120  
cttcaagatt atttgccggg aattggggcc ctcccgttc ctttataact gagtgccgaa 180  
atagtaaaaa ttgaaccttg agcagaaaaa aaaaa 215

<210> 134  
<211> 103  
<212> DNA  
<213> Mus musculus



<400> 134  
 ggtgatggca aggaactaac tgaagacatt actgccctgt ccccttgga atgccataga 60  
 aaagaaatag taataaagta atttaagaat cacaaaaaaa aaa 103

<210> 135  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 135  
 gatggctgca gccccaagga tggagganaa aanccagaga cttcagannc agcttactga 60  
 ttngaaattg ncaancaann ncatgactgg actcagnttn acgcaggaat agcatgtcct 120  
 taaagcacaa gcncaatctg gagnaggcnt cangncaatc ctgtancaca taagttgaaa 180  
 acctctggaa ag 192

<210> 136  
 <211> 380  
 <212> DNA  
 <213> Mus musculus

<400> 136  
 atgcttgatg aagctgatcg tgacgggggat ggagagatta atgaggaaga attcttgaag 60  
 atgatgaaga agaccagcct ttattagctg cttggtgcct tccaagaggt ttggacctcc 120  
 tgtaaacagc tttcctgtta agcagttcaa tgatgtaata cctgagtgtg tccattttcta 180  
 cgttttagttt aggttagtcc cttggtgtct aatctgtgcc agaagttata tgtccctacc 240  
 aatgtcatta aatctgtagt agtaagaaac aaacagacaa acaaacgcat gattttatttg 300  
 aactgtgagc cccaaaacag tattttccata tgggtatttta aagtcgtana ttccaaagac 360  
 atttgacttt tatttttcag 380

<210> 137  
 <211> 250  
 <212> DNA  
 <213> Mus musculus

<400> 137  
 ggggtgaacag ccagcagaat gtgcagcaga gcccagaatc cctcattgtc ccagagggag 60  
 ccaggacctc tctcaactgg actttttaagt ggncagggtg cttttaagta tttctggtgg 120  
 gtacagacag cattctggga aagcccccaa ggcaactgat tccatcttct ccaatgggtga 180  
 aaaagaagaa gggagattca caattcacct caataaagcc agtctgcatt tctccctgca 240  
 aaaaaaaaaa 250

<210> 138  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 138  
 tgaaagggttt tgctagagca tcctgggnag aatcatcttg gaggatgggt ccagtcctgt 60  
 atgacttgta aaggaaagag tcaccttacc tgngaattgt ccatccacct cataaatatc 120  
 catttttaaa acaagctact taaaatccac aacagaggac tcctgtgcc gctatcccc 180  
 cttgggacaa tccacttcaa tctgttttggc tggcttgctt tgctttgcta aataaactgc 240  
 ttccatgctg aaaaaaaaaa a 261

<210> 139  
 <211> 479  
 <212> DNA  
 <213> Mus musculus

<400> 139  
 tttaggtagc tcctccgtac atcagctgct acaccagggtg cctggaacat gagtgcccct 60  
 ctgctggccc cactctggac tttttggttg gaatcagttc tgaaatggca ggggactggc 120  
 atcagccagt cctcagaaga cattcctgag cactgagttg tcgttactga atgaagataa 180  
 tgtcactgga tttgctcagg gctctcaaag caagatacac agtgtcatca gcgggctctg 240  
 gaaggtgggc agcgtgcct cattgtggaa gtcctcccga ggctctcttc cctgtttgct 300  
 attgagctgt tctcccctct tctggcccct ggacctctcc atatttctca atcccatctg 360  
 ctttagtagc tatggaaatt ctgtgtgcat ttgctgtctt cttgccgata cgttttcctt 420  
 ctctgncact ttcacttttc attttcaaat gaaaataaaa gtatttgttt tgtggggag 479

<210> 140  
 <211> 518  
 <212> DNA  
 <213> Mus musculus

<400> 140  
 tccagacccc ttccaggctg aggacccctt caagtccgac ccatttaaag gagctgaccc 60  
 cttcaaaggt gatcctttcc aaagtgatcc cttctcagag cagcagacag cagctacaga 120  
 cccatttgga ggggatcctt tcaaagaaag tgacccattc cacagctcaa gcagtgatga 180  
 cttcttcaag aaacagacaa agaatgaccc atttacctca gaccccttca caaagaaccc 240  
 ttccttacct tcaaagctcg acccatttga gtccagtgat cttttttcat cctccagcat 300  
 ctctngaaa gggttcagatc cctttggaac cctagacccc tttggaagca gctccttcag 360  
 cagtgccgag ggcttcgctg acttcagtca gatgtccaag ccccccacct ctggcccctt 420  
 ctctcctnc ttgggaggna caggattntc agatgacccc tttaaaagta aacaggacac 480  
 tncgtgctg ccttcgaaaa agcccgttc tttcacgg 518

<210> 141  
 <211> 369  
 <212> DNA  
 <213> Mus musculus

<400> 141  
 ggtacattcc ttgaacttcn agcaacagat ggccttgacc gccactcac cgactgcacc 60  
 atcgtcaaca gtggcaagat agatgtgaaa acacccttg tggttgaggt ccctgattgg 120  
 tgacagaaat ggcggaagac aggaaacaca ctggctggcc catgtgcaca tctgtgatcc 180  
 accagcagtc ttttagttac ttaaaagtgt tagttaaaaa aatttctcat ttaattttcc 240  
 agtctcgatt gcaataacaa aatcaaccac acagtcagat gtctcaacaa acacctgtca 300  
 tcccagtatt tgggaagtgc angcaggaag atcaagggnt naaaggccag cctggctaac 360  
 agtaagttt 369

<210> 142  
 <211> 238  
 <212> DNA  
 <213> Mus musculus

<400> 142  
 agaactgggt ctgagccctg agacnccaca tgtacnccag caggaagcta ctgcagtggg 60  
 gtgagacagt caaccacact tggacccaag ctgactttcc aggttctgac tccaccctta 120  
 ggccttccag tgcacagcta cttcctgccc ctgaactgct catacctcct tcccttaggc 180  
 agngctcttg atagacccac ggtactgctc accattatgt ccgactcaaa aaaaagaa 238

<210> 143  
 <211> 407  
 <212> DNA  
 <213> Mus musculus

<400> 143  
 ccggagctcg gccaaagtga tataaaaggc tagccacgcc ctggaggggg ctgtcttgga 60

gcattggagg	agatggaaag	ttggagaccc	ataccacact	tcccaacatc	ctgaagaagt	120
tcaacccttc	catcactgga	ttctctactg	gtaccctgga	caacaaggca	ggattaaatg	180
tggcagaaga	aggagccaga	gctcaggaca	tgccggccca	ggctaagacc	ctgggtgaaga	240
agatgaaaag	cacacctaca	atcaacctac	aggaagactg	gaagctgatt	acactcctca	300
ttggaaacaa	cgacctgtgt	ctttactgtg	agaatccgga	ggacaactca	actaaaagag	360
tatgtcaagt	tcattccanca	agccttggac	attctctatg	aggagtt		407

<210> 144  
 <211> 440  
 <212> DNA  
 <213> Mus musculus

<400> 144						
gaggtggggt	ctttcagacg	gctccacggc	cctgatgtgt	gcatgtgagc	acggacacaa	60
ggagatcacc	gggctcctgc	tggctgtgcc	tagctgtgac	atctcactca	ctgaccgcga	120
cgggagcaca	gcactgatgg	tggccctgga	cgctgggcag	agcgagatcg	catctatgct	180
gtactcacgc	atgaacatca	agtgtctcgtt	cgctcccatg	tcagactacg	agagtccggc	240
ttcgtcttca	gccgaggagt	gaatacaggg	aggagccagt	gagtcccca	ggaccaccca	300
gccacaagcc	acgcatcaaa	ccgtccctcc	tccatccctc	tgtcccatte	tgcctcggca	360
ttcctcagcc	cctgaacttc	cctgagggag	ccctgacatc	taccaggctc	aagctcctgg	420
aagcctttcc	cagcacaggg					440

<210> 145  
 <211> 165  
 <212> DNA  
 <213> Mus musculus

<400> 145						
gagccttaag	gctcgtacnn	nggaccgtat	acctgcagac	tgcctnnnc	nnctcgtcct	60
ntgcagagaa	attcccttcg	ccacatnctt	ctcctgccaa	actgaaagct	gctgcaggcc	120
attgagccct	gctgtcaaaag	gggtgggttg	gactgggttg	aggtt		165

<210> 146  
 <211> 435  
 <212> DNA  
 <213> Mus musculus

<400> 146						
gattattatt	atacatctgn	actgcgtttc	cagaacccca	gctggcccga	actttactgg	60
atttaaacad	gaaaatgcag	cagctgaaga	agaggcagga	ccaggagcta	gcttccaaac	120
cccagagccc	gcaggataag	gagatgaatt	ccgagtgtgg	aagcgcatag	tggagagtcc	180
gaggccacca	ctccaaagca	accctgagcc	ctcgccgtaa	cagggcgctc	tgaaaccctc	240
ctagcattaa	cactagcgat	gcttatgtgt	gctctaaagg	acaatttgtc	cagcgaaaac	300
ttaggcttaa	ggaagaagtg	gggaaaaaag	ctaagaaagg	gggcgagact	tttttgtttg	360
tttgttttta	aaatgttcat	tcattgggtt	gactgggttat	tgnccttatta	gtcgaaagga	420
agaaggggtga	aagga					435

<210> 147  
 <211> 143  
 <212> DNA  
 <213> Mus musculus

<400> 147						
attcaagcca	actactcgct	gatggagaac	ggaaacancg	aagtgcctaan	canggagctg	60
agtcctgatg	gaaccatgaa	ccaagtaaag	ggtgaagcca	aacagagcaa	cgtctcagag	120
ccagccaagc	tggaagtcca	ggt				143

<210> 148

<211> 237  
 <212> DNA  
 <213> Mus musculus

<400> 148

agatgccctc	tcttaggttt	agaaatcgct	ggaataccaa	agagcaacgc	ttcctctggt	60
gggcagctga	ttcttatctg	tacatgggac	agggcggggg	ggcagggggg	ggggagtnca	120
tacatnanga	cccgnagggc	ttgnnggcca	atcannctag	nccagncagt	aagctccang	180
atccattgng	nctgtggtct	tcaagagctn	tgnacaccca	cagacataaa	aataaag	237

<210> 149  
 <211> 311  
 <212> DNA  
 <213> Mus musculus

<400> 149

gtcaaagcac	agctcgaaga	ggaaaccaat	gagaaatatg	aaatattcaa	agccgttgag	60
tataaaactc	aagttgtcgc	tggagtcaat	tacttcatta	agatggatgt	aggggggtggt	120
tgtttcaccc	acataaaaagt	cttcaaggat	ctttctggaa	agaataattt	ggaacttact	180
ggttaccaga	ctaacaaaac	cgaggatgat	gagctgacct	acttctaagc	agcaaattct	240
aaagtgacct	gattcctctc	attgtaaact	gattcggcca	tcaataaaga	aatattctcc	300
aaaaaaaaaa	a					311

<210> 150  
 <211> 241  
 <212> DNA  
 <213> Mus musculus

<400> 150

gatgcccccta	gacctggatg	ccctgtctcc	agaagagcgc	agggcccgggt	tccgaaaacg	60
ggaggctcag	ctccagcaga	agagggaaga	agagccagag	gtggtggaca	gttttgacac	120
tgaacgatat	aaacagtttt	ggaccaagac	caagaaataa	gtctgtcagg	gagttccacc	180
agggacattt	tgtaaggatg	gagggcatct	atctatttac	catacgttct	tgaaaccata	240
a						241

<210> 151  
 <211> 483  
 <212> DNA  
 <213> Mus musculus

<400> 151

cgcggccgga	accctgnttg	natctectga	agngtectgc	ngnccnagga	aagngaccct	60
acncgccgtt	gaagnccctn	tngnncacca	cagacggntg	cccagatcng	cangacgagc	120
atnccgnnc	accctcgccc	tngaccctnc	anccttctct	agagaccctt	agaccttgaa	180
ctnccactcc	caacagcact	gaccacctgt	cccaccaggc	ctgataaact	ttaccatact	240
tttcagcnaa	aggtgacaca	tggangctct	gaccaacctt	atccatctac	aacaaaaagc	300
ttgcatgggg	aattcatggt	ttgtgccttt	gagatcaact	ccttagcata	actatgacaa	360
aattgngatt	taaactgatt	aaatatgaga	tcagggtgaaa	gtaatagata	caaagtagaa	420
tcagcaacca	aatgtctctc	atttttaata	agccatgtaa	taaaattcct	attatcttca	480
taa						483

<210> 152  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 152

gccccaaaga	agctggaagc	acttcagaag	cacagactgg	gggagctgcc	agccccggacc	60
------------	------------	------------	------------	------------	-------------	----

gggatgaga	acataacacc	ttactnccc	attccccctg	caagcgcccg	tcctggacaa	120
cgctttgogc	gcctttccct	ccgagatcaa	taaccgnacc	ctgcaccctc	cctccgggga	180
actgattaga	acaaccggcc	ttcgctcctc	gggtcactaa	attctccact	tcgacctttc	240
ctcccgccca	ctcccgaaa	gcacgtgcaa	aaacgggtaa	aacggtcttg	gtagctggca	300
aaaaaaaaa						310

<210> 153  
 <211> 397  
 <212> DNA  
 <213> Mus musculus

<400> 153						
ggcaggctgt	agcgccacca	ggctgcctgg	tgacgggcag	acgagcaccg	gagacgcctc	60
ctcgcaagag	cctccctcgt	accctcccat	ccaggctcatc	caggccagag	tgtcttccag	120
cagctcctct	gaggtctcct	ccatcaactc	ggacctggag	nggnaccctg	nagatgnan	180
ccttgaaagg	aaaaaggacg	gngaacnct	tagagtgcag	gtgcgcangg	nctgtngag	240
ccngtggat	ttggcctctg	atgactaaca	tnntcgggag	ccaagncatn	agntnggaac	300
tcaaagtcgg	gagtctgtca	ntgactagat	ggggaccaan	ctatnaggcn	acccaggtna	360
ggaatggaag	ctgctannga	cactcctcag	ggagtga			397

<210> 154  
 <211> 343  
 <212> DNA  
 <213> Mus musculus

<400> 154						
aaggctcagaa	caacancaac	aacagagacc	tnncagggttc	tcattctcat	tgcttaaacc	60
acccagaagc	atctttggcc	tattagncaa	gcagcaagat	ggcttgnaga	aaagaatnca	120
tatcatatac	gaacnantgg	agccaggctc	caaancctna	actttncaca	acccctggag	180
cagcagcagc	agcccgaggg	ccaagcatcc	agagcactaa	ataattaagg	tcagaacaac	240
aacaacaaca	agacctccca	ggttctcatt	ctcattgctt	aaaccacca	gaagcatctt	300
tggcctatta	gtcaacagca	agatggcttg	aagaaaaaaa	taa		343

<210> 155  
 <211> 120  
 <212> DNA  
 <213> Mus musculus

<400> 155						
acccacacag	tagcaaatga	accaactctg	acctcccctc	ccccctccc	ctctccttcc	60
cctctccagt	agtcactcca	gagacacca	aaataaaaaa	tttaaatgta	aaaaaaaaaa	120

<210> 156  
 <211> 120  
 <212> DNA  
 <213> Mus musculus

<400> 156						
cctctcttag	gtttagaaat	cgctggaata	ccaaagagca	acgcttcctc	tggtgggcan	60
ctgattctta	tctgtacatg	ggacagggcg	gngggncang	ggggggggag	ttcttaaact	120

<210> 157  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 157						
gcaaggtgag	aaaattattc	tggagttcct	gtcgaaggtc	ttgcnggtgc	cctttactgc	60

catgtcggag	gagagcatct	ccgcgaagct	gaagcaactg	aaagccgagg	tggtcgcaaa	120
gaacaacagc	ttcgtaaacg	agatcatttc	acggataaag	gctccggctc	cgtgagggga	180
cagtgggtgg	gcgtgcncgg	gggagctcac	ctttactgtg	tgctgttctg	ggtagtgctc	240
cccactggaa	cctggcctag	cagcatccgg	aagtgtttag	tgatgcttga	aaacattacc	300
gtctgtagct	gggcgctgtt	taaatgggga	cgggcanctg	tgagcactat	gctgaa	356

<210> 158  
 <211> 152  
 <212> DNA  
 <213> Mus musculus

<400> 158						
agcagggatt	cccaaggatg	aagccttcag	cggacgcttg	agccccccga	gccccaaaca	60
caactgtacc	ctgttacttc	tgcttcagct	ctgacctttt	ccgtcctctg	taaatacaat	120
aaaacccccca	ttctcatctg	caaaaaaaaa	aa			152

<210> 159  
 <211> 572  
 <212> DNA  
 <213> Mus musculus

<400> 159						
tcctcctgat	ctggaagaag	ctgccaaaac	tgaggctgag	aatacgatca	cctactcact	60
tctcaagcat	cccgaagccc	tggtatgaaga	aacagagcat	gattaccaga	accacattta	120
gtctcccttg	gcattgggaa	aagcaagcca	gaaaggccag	gatctagtgt	ctcctgggcc	180
aagggatgct	gtagatatta	aagaaaacat	ccagagtcac	ttctgtgagt	cctgaaacca	240
acagacacta	agagattggg	tcccagtggt	tgactgtact	aatgactccc	ataacttaca	300
gcttcccaac	tcaagactct	tctgctatcg	atccacactg	ccactaaaat	taatcaactt	360
actgccgtta	agagactgca	gcaacgtggg	aactgcttat	aattcacgct	aagataagga	420
gaacaattaa	tgtaggatg	catcatctcg	gtgatgataa	accagacttg	taccaacctg	480
tcaaaggtga	tgcttcttta	taaggaactt	caattttttt	tattttttcta	taaaggncgc	540
atggtacttt	aatagtaaaa	tgttgtaaaa	ac			572

<210> 160  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 160						
aaagggttata	aaaagaaccc	aacctctaaa	cctgggaaga	acagtgcctc	agaggaagac	60
catctgcctc	ttcaggtcct	ccagtcccac	tgacgggtcca	gatgcggcag	cagcaggctg	120
gcagggtaga	gtagggaatt	ttgccagcca	cacccgaggc	tactgaattt	tggtggaaat	180
ataaatattt	tttgcataaa	aaaaaaa				207

<210> 161  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 161						
ttaaggaatt	atcctctagt	gaagtttccc	tgtgaagact	caaattctgat	tttctgagca	60
tttctacca	cagctggaag	cagagctgga	tattaaagga	gctacctctg	aaaaaaaaa	120
a						121

<210> 162  
 <211> 167  
 <212> DNA  
 <213> Mus musculus

<400> 162  
gactgagatg aggtcagcaa gacccagana gcnnctggg tttgaccnga ccacaagccc 60  
ccctgaagat gtattctaca aaccgggga gctgggtcac ctttgatgat gaccctgctt 120  
ttcaatcttc tcagaaaaga aaggattttt ctctggaaaa aaaaaaa 167

<210> 163  
<211> 320  
<212> DNA  
<213> Mus musculus

<400> 163  
ggagccggtg tggcagcagt accaagatgg tgcccaggac tgaagctaag tcttatgact 60  
tgtatctgac ttcttcatac acctgaaagt aagccacgan catcgtgtga actgcgcagg 120  
tacaccatga tgcaagatcn gaccatatga cangtgatga ttctggctga tggactgctg 180  
ntacatggac tgnngctgat gggcgtggnt gaggggttgt ataagggtt gcaattggcg 240  
gcgaggnga angaaanatt actananaga ntgantnctg nagaaagatt cctgnntgca 300  
tggtgaaagg ttcttgaata 320

<210> 164  
<211> 476  
<212> DNA  
<213> Mus musculus

<400> 164  
actgaggttg agtgaggatt tgccatgtcc caggcattag cctgagtga acaggggaagt 60  
cgccctctca ggaactgatt tgagaccccg agactccctt ccatgatgct ctcagccacc 120  
atggaaacac cggaagcctt ctgtctgcc aagccctgacc tgggcgctag ggagactgat 180  
gaattgatcg gacatgacat tcacactcca gtaggctggg agagcatacc tgaggaactt 240  
aacacagtct gcagacttac tggagacggt ctcatgtagt ctaggctagc tatggacttg 300  
ctttgtaggt acagataggc ttgattttcc cccatttttg agacatggtc tctctatgta 360  
acccttggtc ctcttggat tctctgtgga ctaggctggt tttgaattta cagaaatcca 420  
cctgcctctc tgcctctctg gtgctgagat taaagggtgng cccacccaaa aaaaaa 476

<210> 165  
<211> 450  
<212> DNA  
<213> Mus musculus

<400> 165  
agtaatatcc attatgactc agggatgggc tctaacttnt ccttctgttg gaggtcantt 60  
caggggtagc gtttgcctaa tnnttagcgg gggaagatgc tagtgcnaa gatctgcnat 120  
gtacactnnc ccctggactt catcgccagc aagggagtcn anctgggtgc catcngggcc 180  
taaaanattg tggatggccn tncccganac nacctgggag tgatcnggac catcatcctc 240  
agatctgcca ttccacgant tctctgtgga atanactctg cttgngacng accctcctct 300  
ggtgccatna taaatanncc cctntgana agcgtcacnt ccccancttc cttcncngct 360  
ggaaangnca ggntggcctc caatgctntn tncctccggt cctgcctcn anttnatttg 420  
agtntnataa nctntcgtaa cggattaccc 450

<210> 166  
<211> 429  
<212> DNA  
<213> Mus musculus

<400> 166  
ggtcccagac agcatggggt ctcggttctt cctggctcta ttcttggtca tcttgatgtt 60  
gggaaatgag gtccagggga accaggaaga tgactcgggc agcctggctc tgctgggcac 120  
ggtgcanggc tccctcttaa gttactggac ctctgccaa gaggttgcca aagacctgta 180  
ccagaagaca taccgatca gcatggatga naaattnagg gacatgtaca gnanaagctc 240



ggcggncatg	agcacttaag	caggcatttt	tacagaccag	ctccttactc	tcctgagggg	300
agagtagctg	ccaaagcaag	ccccaagtta	ggggaaagga	aaacctgatg	acagacaccg	360
cgcctctttg	ctcgcgtcac	cagaccagga	tggnccctaca	ccaccctgtc	ccaactggtc	420
cgctttctg						429

<210> 167  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 167						
aaattcttgt	ggataaaaca	cncaatggat	nntgtaagga	agcagcctcn	cgcttacgct	60
tcccctngcc	cagatctttc	ccancatggg	aaatatcctc	cctctc		106

<210> 168  
 <211> 286  
 <212> DNA  
 <213> Mus musculus

<400> 168						
gactgacgct	acttggcctt	tgagctatga	caaagacaac	tgtgatgtac	aattccaccc	60
agagatactg	cacctacagt	gtggtggatc	ggaagnaccc	aggggaagacc	tgctcgagttg	120
acagctggac	tatgtaaatg	tgcttcgtgt	gggccccaaa	gtggagtaac	atttgaacct	180
tgtatgattt	aaattttacca	atcataagct	tgcaaggagg	tgacctgtaa	tcccagcact	240
cagaaggcag	aggcagcata	tcttgaaaaa	ctcaaataaa	taaaaa		286

<210> 169  
 <211> 419  
 <212> DNA  
 <213> Mus musculus

<400> 169						
cgacctactg	ctcaccgccg	tcgncaccag	ncgtncggca	cctccgncac	cactaccagc	60
acccccaccc	cagccacagc	agccccactt	cctcccacca	ggctacctct	ctgctctcca	120
cttcttgcca	ccgcccgcac	cgccaccatc	tccaccatct	ttctcgctga	cctacgatac	180
agacaaggag	aataccaang	accaggatgc	agaagcaccc	accgagccca	gccaggactc	240
tcccaggag	cagtccaact	aagctgcang	ccacctggaa	ggccaccggg	tgngnacggg	300
catagatggc	gggggttatt	tttttcacca	tggtcatggn	atnattagga	agaaagggat	360
actgatangg	ngtaagaagg	caggcggaat	ncctactnca	ggntagaaag	ggcacaagg	419

<210> 170  
 <211> 567  
 <212> DNA  
 <213> Mus musculus

<400> 170						
acaccattca	agcttgacga	ggatctgaca	agatgaagcc	cagacatgca	cctgaaggca	60
cgggaggctg	ctgtggcaag	aggaaaaact	gctagatcta	cggccagcgc	ggagcccacc	120
gggctcaaga	gggtggctaa	aggacagtca	cagaggcttc	ttagcctgct	cttcgccagt	180
gcacagatta	tgtgaagggtg	gcaaagccac	cacaagctag	accactgcta	agaataagag	240
tgacttttag	aggatgttaa	ttgaagggtc	acagcaaate	gcctgctttt	ctatttctct	300
atctcagagt	tctggtgcca	cctagtggtc	agaagtanaa	cttggaagcc	caaggtttac	360
tcaaagggcc	aaaggcatca	tcaacgttgt	gagaattatc	ttccttcttg	cctaccacag	420
gacacctctg	ggttcttctc	tgtgggttacc	aggaancaca	gtacttacta	aatttatgct	480
aaccatgaca	aanattgtc	actccaaatt	tgctaggaat	tattctttag	gttgctgtct	540
gcaatttttt	tctctgtact	gaatgaa				567

<210> 171



<211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 171  
 gtggcaggaa gaggantagt gcnggagagg agatggagag aaaactgggc ctgtcctgtg 60  
 atgcacttct gccagcaang ccacgcctcc cagtccttga agtgtcactc cctgaagatg 120  
 aagcattcaa atatgagtcg atgagagcca ttcttgttca cgtcgccata nttgtggagg 180  
 ttggacccag cactcaanac tgttataaag aatttttgct ttggttttta aaaaaaaaaa 239

<210> 172  
 <211> 279  
 <212> DNA  
 <213> Mus musculus

<400> 172  
 tggtcctaac aatgcgggta cggagcgcgg ggtggcgagg ccagagggtca gatccagaca 60  
 ccttatgtac tcgagatgct acctgaagag tcnatgatca gcctcggatc gatcaactct 120  
 ctccagagca cggatgatct agggaaaaat acaaaacacc acacttaatt cattcttgac 180  
 tccacgtang ctnaaaacta tggatnagtt nagcaagttt ctgtgaagaa tggtttagatg 240  
 atgaaaatac tttcaaagct gataaaactg agtttaatc 279

<210> 173  
 <211> 631  
 <212> DNA  
 <213> Mus musculus

<400> 173  
 tggacctgag cagactggaa gccangatgc ggctctggat ggcatcaccg tagctgtgga 60  
 ccgggcaacc tgaatgtgga caagcaaaac ggcgtatgaa aaaactgatg tantggggca 120  
 agctgtaaac agccaccctt ggcatggctc tgctgattct attgctatta gcccttttcc 180  
 tttcccttga gancgggaag ccattctggg tactgtgaaa ctatgaagcc ctacctggga 240  
 atacaccttc ctaggatggg ccaggagaag ccacaatatg catgaacatg tatgtttccc 300  
 ggggccctaa ncatgaaggc catgtcctgt tcangcaana atcgccaccg tagcgtagcc 360  
 atccttctctg tccacactga naaccggcg ttgaactgcc attgtggcat catgttgtca 420  
 catcatattg tcatcttttc accatttttg ccaaacagta aaaaaaatg tcagtcattc 480  
 tgggtctggc tctgccatcc acttgccana aacatcaatt ccccttcnaa tgctgctgtc 540  
 cccctgccca ccttctctgn tcatcagtta aaattctgtt ancaataacc cctgntttnc 600  
 cttcctaaaa aatgtttatt ccaatgaatt t 631

<210> 174  
 <211> 723  
 <212> DNA  
 <213> Mus musculus

<400> 174  
 cgggccttaa tccaacntgt gtatcctatg aggtcngtgg ctcaatnnn gtgtgtcccc 60  
 aangacnct cctgtnactt tgccagtnca tttctatnag ancggacacc tnttggtctg 120  
 tgtgtcnacn gcgtcnggt tgatantgan ccttcancat nctnctcatg cncccatana 180  
 ttcaccattt ggactctgtc actaaatcac ataagataca gtanccncat ttgctattca 240  
 atcctaagcc attttgcaca cctgctgggt tnatattttt aatnttattc aatttttggt 300  
 tttgtttttt aaaacaaaat ttctctgtga agctcttcct gtcctgatag taggtataga 360  
 aaccacataa gccagctgac atagttttgt gcaataagca tatagttttg tgcagcnttc 420  
 naccacatct ttaattttga aaattgggca aatatatagg ttatattcna atttctaagg 480  
 anggcataat tcataacatc aatgctatcc aaggcttcaa aatcattgga atgcntggtn 540  
 aactaantct tttggttggt cnaaaaatgt tgaataaatt ggaattttng ccnntgtnca 600  
 tgganatnat nacatatntt cncnccttn agaatgtcac aaaaanactc anaacncccg 660  
 aactccngta anggtatttg ttgaanccca tncttnctn aaattgaccc ccttgaagaa 720

aaa

723

<210> 175  
 <211> 653  
 <212> DNA  
 <213> Mus musculus

<400> 175  
 agccagcaat aataattaca atcactgatg ggagcaagtt gactactact agtgggtgtc 60  
 cagggatgaa gcttcattta cctctgaatt cgccgttgcc tggaagtga ttgaccaagg 120  
 aaccttttcg ttgggatcag agactatttg ctttagtgct gcggttgcc ggcaccatgt 180  
 cgggtggaatc agaacagttg acaggtgtgc ctttgatga ttctgctatc acaccaatgt 240  
 gtgaagtgaac aggaggccgg tcataactctg tatgttctcc aagaaatgct taatcagtgt 300  
 ctggaatcct tgggtgcagaa agtacaaggt ggggtggtaa taaactttga aaaggcagga 360  
 ccagatcctc cccctgctga agcagaaggg cagccagata tatcaagacc ttttgatct 420  
 cagccttggc atagctgtca caagctcata tntgtcagac cnnatcctaa aactggggtt 480  
 cctataggcc attggccctg ttccanantc tttttggcca gatcagaatt ctccaacact 540  
 accacctccg tacatctcac ctgtagtga attttccngt tccanactgt naccnatggt 600  
 tattgancaa ttcgcctttt gaacaatata atttgaacct tccccctga ctc 653

<210> 176  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 176  
 ggaatcaact gaggtgccct acggaagaac aggctgaaaa caaaaccgga ctactactga 60  
 tgcagcagct acttggtctgc acagcgagaa ataaacctac agaattgttca aggaaatatt 120  
 gctaaaatat ttttgtaata ttgtatgtgt aatcattaca tttagtcaaa aaattcagat 180  
 ttctagaaaa tataaagttt tttttgtctg attcctcaaa aaaaaaaa 228

<210> 177  
 <211> 520  
 <212> DNA  
 <213> Mus musculus

<400> 177  
 cagcctgggg ttcattctcag ggataccatg tggcacagct gacattttta aacgcaaattg 60  
 atccttttga ctttcataag ttcattcagtc ttttaaagag gatgctgaaa tctttttttc 120  
 tgatcttcag attagacagt catgttgcta tgggtggtgc taagattcta acagcagtgc 180  
 aatttgaaaa caaacactgt gctcanggtg tttttcagca cacaccaaat atcccaactg 240  
 tcttaattggc ggctgaatcc caaanaagca attgcnatg cacattctcc ttggcattct 300  
 tanctgggtt ttaagcggat tatttacnac nnaatttcac cagaaaaantn tcngttgcc 360  
 ttgttgaaatg cagctttttt ttgaaggccg ntggaccctn ctccttttct tgttgnaacc 420  
 nggataaggg gccgccgtgn ctggtcccaa atcnncctg ttacnctggc gnttccaana 480  
 atttcccnct ggtaaggngt naagcgccct gtcccttccc 520

<210> 178  
 <211> 403  
 <212> DNA  
 <213> Mus musculus

<400> 178  
 gatggcctgc agtggaggga acattcggaa agcaccgact tatccttaac aagcaacaat 60  
 aaaaagccac taccctgtca tggaccgggg agacggctca atgggtaact cgtgcacgat 120  
 tgaggatctg aactcaagtc ctgagaagcc acgaaaagcc ggattcaaaa gcattcacat 180  
 ctgtaattcc agaggctgtt tggggagaca ggaggcacag acaggacagt ccctggaagc 240  
 cagtgggtca gcttgccctg tgtacacagg ccaacaaga gacggctgtc ttaaaacagg 300

agcagccctg atgttgccct ctgaccttca cacccttgt gcttgcattha aaaatatgta	360
ttttatttag aaataaaagt atgcgtactt gagaaaaaaa aaa	403

<210> 179  
 <211> 497  
 <212> DNA  
 <213> Mus musculus

<400> 179						
gagttcctac attctcanga tcgaagacta catctncccg aaaacctgaa tggctnttgt	60					
tnccactgac cagtcttccc tctnaatgnc gtggnacnng tccnntntaa gataccacat	120					
ccttctnatn agttcatnat gagtggttgc ctggtgntna nnaagaatnc ggaactgnac	180					
cccaacacca aataganaan atctcagact gangatnant tnccagatag tnatgagnga	240					
tttanggan ctcacaaanc naacnactnt gntgactcnn aaaaccttcc canaagggcg	300					
tcacgggtg gcttccantt tcctttctcc cattccccca gtgctactaa tggactgtca	360					
gtacccacgg tnagtctgta tgagtcngac gcccancna nttctaagt ggctcttcca	420					
aaactacaag cctgggtaca tcngtgacag ccncaaagg aaatttggtt ggcttggtta	480					
actatccccg tgatgaa	497					

<210> 180  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 180						
ccacccctg gaagctctgt gtcttnctag ggacagtggc acagtctntt ggataatgtt	60					
gccttgga aa cttcccgtg tnttaagaat ggaatgtgtc agtgaa	106					

<210> 181  
 <211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 181						
tgttttgagc gagaacatcg cgtcttcagg gaactcggga ctggcagatc ttcagtgtga	60					
agtgcacacg ccacgagcg angtttgag gcatacggag gagggagctg cttcatacag	120					
tctacttcaa gtaaaaaaaaa a	141					

<210> 182  
 <211> 213  
 <212> DNA  
 <213> Mus musculus

<400> 182						
ggaagatgaa aatgaagctg aaaagaaaaa cgcactctcag gagctcagca tggagcagaa	60					
aactccaaag aagtaaagga ttgtccagtg tggtctgaag cgtgtacaac ttaggctcaa	120					
gcagataacc gtttctgatt tataaaatgt taattgtaaa atctaattta caaaactgtt	180					
ctcaataaag tccttgaaat aggaaaaaaa aaa	213					

<210> 183  
 <211> 467  
 <212> DNA  
 <213> Mus musculus

<400> 183						
aaagttcaga tcaatacnac acgtnantca ttatctntnt ccgggtcttn gacnnagcca	60					
tccggctctc ggatcatntt gtancacna ncnntcncc acnctgangg cggntcgcta	120					
cngcccccta acgggggang gacgtaatta catccctggg ggctttgggg gggggctgtc	180					

cctctagaac	cccatacctca	ctgactccgt	cctggagttg	gatgaaanat	aatggcctta	240
cnttntgcca	ggggaggggtc	gggctggatt	tancaaaatt	taccttctcc	aaanancggt	300
gctgcagtgg	cacagctgcc	cacggaggtg	gggggggtccc	cgtccctgga	ggtgatnaaa	360
aatgtgggga	tntggcactg	agggacatgg	ccnntgggca	cngtgggtgg	gttgggggtg	420
gtcttggggg	atcttgggaag	gttcccgggg	atctagggat	ctaggga		467

<210> 184  
 <211> 241  
 <212> DNA  
 <213> Mus musculus

<400> 184						
ttgcagggtca	aagacagcga	gaagggttcag	aggaaagcga	tcccgtgcc	ccttccccgt	60
gcccgggctg	tccccgcacg	ctgccgggtc	ggggatgcgg	ggggagcccc	ttcatctgcc	120
tccctttccc	accatccacc	cctccatttt	cttttcagaa	aatggctgaa	aggcgaaagg	180
ctggctctac	caccaccacc	acccacacac	acacacatca	accagccatg	acatatcatg	240
t						241

<210> 185  
 <211> 167  
 <212> DNA  
 <213> Mus musculus

<400> 185						
gagtgtgcta	tggaagccan	aagagggcgc	tagatncctg	gaacggagtt	gcaggcagtt	60
gtgagccacc	atatggtggt	aagaactgaa	acctgggtct	tctacaaaaa	acaagtgttt	120
tgaaatgctn	agccatctcc	ccagtgccta	cattaaaaac	aaaaaca		167

<210> 186  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 186						
taggcgattg	tacaatcngt	nacacctgta	gaggtggagc	tnaccnntcg	nggttaaaga	60
gcacanaacc	cttcctggaa	ttcctctnnc	ttacantaaa	anctgggcct	gtgattctac	120
cacgtgtctc	cnttcccaaa	tgcaaagacc	cctgcatnca	gganattctt	ctgaataaat	180
gctttttgct	tttgcatact					200

<210> 187  
 <211> 352  
 <212> DNA  
 <213> Mus musculus

<400> 187						
aggtgcaggc	cgactggact	catgangana	aacccatctc	cngaccctct	actgacaccn	60
aggggcatgg	tgacagtgca	gagccaggga	accagagtcc	agtnactcct	gccaaccatg	120
gaccctcgac	ctcctgtgct	gtccctgtat	ccagaactgg	gccacagagg	tttgtagagc	180
ctgggacagg	gacacaccag	agctnaggcc	gcattgcttt	tgtcnaagtc	tcctcctctn	240
actggtttca	ggaaatcaag	aagtttgaat	cacatactca	ttttacttga	aattatgtcn	300
ctngacaact	tatatatttg	gantcttgag	attgtttttc	tctttttctta	tt	352

<210> 188  
 <211> 962  
 <212> DNA  
 <213> Mus musculus

<400> 188

ctgagatctc	tgagaagtac	ggcctccccg	aggagaatat	ttgcaaagtc	tacaagaaat	60
gcaagcgagg	catcctgggt	aacatggaca	acaacatcat	ccaacactac	agcaaccacg	120
tggccttcct	gctggacatg	ggtgagctgg	acggcaagat	ccagatcatc	ctgaaggagc	180
tatgagggcc	cggcctcaag	cgtcccacac	ccggggccccg	gctcaagcca	cgtacaacct	240
cttctgtgtc	agctgttact	tgaaatgcct	ttctttggga	aagaggcttc	gcaagcaacc	300
aactcgggtga	tgtccaagcc	aggagagagc	caagaagggt	ccaggatcta	aatgtcccac	360
ccaggctcga	actcactcca	gagcttcctg	aaagcaccca	gcccaccgga	gagtctgagc	420
aacacagacc	caactgcctg	ctttctcttc	taagtcccgc	tgcagaggcc	cttacagggg	480
acgggggtca	caccaccttc	tctgcagggc	tacacccgct	gtctcgatcg	gttctgacgt	540
tactggttc	ctttctacca	actttagacc	agagagttct	cacactttgg	gccaatactt	600
gaaaactcgn	gacttttaca	gcagatgcct	ttgtgaaggc	ccttgganaa	ggaaaacttt	660
tcttaattgg	acntttcttc	gggcancaaa	gaatgtaaag	gtcacccatt	caatnnnaan	720
cctggaccag	gggaaccnaa	aattaccctt	tttgcccaan	cttaacctgg	gttgggnanc	780
cccaattttc	cnttnaattt	taccanggtt	ttttccaatt	ttattggngg	gaattntttt	840
attnatnnat	tanntantna	tgngggtnaa	aggtntttan	ttaaatttna	atgggncccc	900
ccttttttnat	tgggccc aaa	cnattttttt	gggnnaaatg	gggtcccca	ttgggttaaa	960
ca						962

<210> 189  
 <211> 163  
 <212> DNA  
 <213> Mus musculus

tgtactcttt	acctcctgng	cgacnngnat	tccgcgaatc	gacataggct	tcattacgtt	60
gggactaanc	gaccttgaat	ggatncnagt	gactactacc	agatggaacc	gancntgcta	120
ntcttngttc	acgaagactt	gnaatgtgaa	gaccttttga	aaa		163

<210> 190  
 <211> 427  
 <212> DNA  
 <213> Mus musculus

ccagtgtgga	gactccctct	gctgaccaga	gtgaatccca	ggctccgact	ggtctgcctt	60
tctctgcagg	agccggagct	cccaaccctc	cacaagcatc	tgctgcttcg	tcttgatgac	120
actgcctaag	gtggcccca	agtttccagg	accccanaca	ctggagtggag	gaatcctgcc	180
ccactgtgat	ttctagttat	tctgggtgtca	gcatgccttg	gagacactga	aaacggcana	240
tcacagcatg	ataatgggtg	ttcctccaat	tgggttanaa	cacctacact	canagggtgac	300
cctccctgag	tgcttgggtt	ctgccttgtg	ganaaagcag	gacggagacc	ttgcccctta	360
tnattgattg	tattgtgata	ggcccttttg	gctacaataa	acttctctga	ggactttcaa	420
aaaaaaa						427

<210> 191  
 <211> 397  
 <212> DNA  
 <213> Mus musculus

cgggcttccc	aaggaaagcc	tctaagaaga	gcggatgccc	tgacctcgct	gccaggaaag	60
aatggctat	gaaaatgggc	tttgaggaat	caagaactca	agcatgggtt	gagaagcaat	120
ggaccctaaa	ttctgagcat	agagaagagc	ccatgagttt	atcaagacat	ggcacaaatg	180
aggggacacc	cccagccact	cagtggcagt	acctcaacag	agtcactccc	ccagtctgtt	240
gtctcccttc	ctctaattcc	tgctgggatg	accacgcac	cctacctgcc	cctcttagct	300
cgcaggcatt	tgttccttgg	gatccctctt	ggggtctttg	ggagccaagt	gccaagccct	360
gcgatcatgc	anancccata	aagcttgtca	gcaaaga			397

<210> 192

<211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 192  
 aggtgcttgg ccctgcgtga gaaagcaaga gatccacagc ggctgttact gttacggagt 60  
 attggactca catggcttct ctgacccaca accttccttg gaaataaaga gccccagctt 120  
 ggagtttcat taaaaaaaaa a 141

<210> 193  
 <211> 159  
 <212> DNA  
 <213> Mus musculus

<400> 193  
 ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttagtataac ttcgtataat 60  
 gtatgctata ctgaagggtg tcnngnncnt ttgacctgca gnetcaagct agcttatcng 120  
 agaccgtnn acctcngacc tcnagaagga gcgagggca 159

<210> 194  
 <211> 149  
 <212> DNA  
 <213> Mus musculus

<400> 194  
 aagcatagct actcagagag tcgtccctcc aaaggaactc ttccgcgtga agcccatctt 60  
 ggtacatctc tggacacgac tgccccagcc actggagtag tctagccatt gtcccatcct 120  
 gtttattaaa acgtttgaaa agaaaaaaaa 149

<210> 195  
 <211> 114  
 <212> DNA  
 <213> Mus musculus

<400> 195  
 ggacaaaaga atccgagtgt ctcaaccctc gacaagagga ccaagtgcct ttattccaga 60  
 gaaggaagta tggccatttg tttttaatac attatctagt caaaaactaa aaaa 114

<210> 196  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 196  
 ttgatgcttc caaagcattg aggaagtcca taaagaaatc cgtgcacact ctgaggacgc 60  
 catccgaaac gctgcacaga ggccactggg ggagctatct taaataaatc agtttccatt 120  
 g 121

<210> 197  
 <211> 171  
 <212> DNA  
 <213> Mus musculus

<400> 197  
 aatatagtcc ctacagcgtc gagagacgga ggtctacgcc tgtatgaagg aagagactgg 60  
 aagccctgtc ttcagccaaa gccagccac caaggagaag ctgaatagat ttgaggatga 120  
 caacgaattt aaccttgtct atgaaaatct ctagaaattc aaaaaaaaaa a 171

<210> 198  
 <211> 154  
 <212> DNA  
 <213> Mus musculus

<400> 198  
 acttttaggtc tccgaagaag atatgggcac agtgacaaga ttctacctgg actgtggtat 60  
 gataaccact gagaaacact gctccattgc cttgcccact gtcaaagctt ggcctacact 120  
 gtggataaat agaggctacc cagagaaaaa aaaa 154

<210> 199  
 <211> 119  
 <212> DNA  
 <213> Mus musculus

<400> 199  
 tgttcattgc tgactcggcc cttganataa atctgganac agcatccagc cgatcaccta 60  
 ctggctggcg aagggcacca agaattggatt gtttgggggg ggccgggggag gaatggtgg 119

<210> 200  
 <211> 154  
 <212> DNA  
 <213> Mus musculus

<400> 200  
 cctgcgaaac gactgggtga ctggccggag gatgtggctg ctcttggttc tggctaccct 60  
 tgtgtcctct gggaacccca catccctgtc agccagccca tgccccgcca gctcatggag 120  
 ctcaaagaaa taaaatgaaa aacaaaagac tcag 154

<210> 201  
 <211> 460  
 <212> DNA  
 <213> Mus musculus

<400> 201  
 cttgtgcttc tggaacgcct ccanccttttc gtcccntgct tcgatnagat ccccatcacc 60  
 ctctcaggtc ccagtctctg agaataaccc ggaagaactc cactatgctg ctctcaactt 120  
 ctcccgcctg agactgcagg agaccacagga tccccaagac acctattctg attacacaga 180  
 ggtcagagtc cactgagggg gtcctggggc ttaggactga gacctaaatg gtaaagtagt 240  
 taagggagcc tccaaaagaa agcagatgct ctcccttaaaa ataatcctgg gggtaggggg 300  
 tgttaaatat gtgtgccacc aagcttgatg aactcttaga ttgatcccgga ggaccgcacat 360  
 cgtggaaggg acctcccaca aactgacctt tgactcccga catgtgcact gtggctcatg 420  
 cctatgcatg cacatacatg taagttaata aatagatgtc 460

<210> 202  
 <211> 151  
 <212> DNA  
 <213> Mus musculus

<400> 202  
 cactggcctc tcatccactc actgactctg ggggtgtggtt gaaccatttg agggcctgac 60  
 tctccctttt gttatctcaa gttggacaaa agctgctggt gtgaacttag tctcaggtgt 120  
 caatatcctg tccnttgcca ccagagagtt g 151

<210> 203  
 <211> 247  
 <212> DNA  
 <213> Mus musculus



<400> 203  
 aggggggaaag agatggcgat atgctagcga ctggcgacag cggagcgagg gcaccgtgga 60  
 accgccgacg ctcaggatcc ccggacaatc ctgtgccttt ggcggtgtgt ggagcgctct 120  
 cgacgttaaa gccagtaaa tagacgaagg acttgtttca atttcaactt cacaaggatc 180  
 cctttctaata cactcctttc ttccctgatt ttttttaatt aaaaaatata gatcaaagta 240  
 aaaaaaa 247

<210> 204  
 <211> 163  
 <212> DNA  
 <213> Mus musculus

<400> 204  
 ttaatgagca cctgtccent tntgccaatg agcctgante tgaggaagag ctgcagcaca 60  
 ccaccagaag ttttttggtg catttntctc tatggagtnc tgacaaatga agctcaatta 120  
 cacaacgtaa ggtgaaccaa tacatgcact gttagcgaag act 163

<210> 205  
 <211> 582  
 <212> DNA  
 <213> Mus musculus

<400> 205  
 gattacgacc tttcaagatg agggacttta tcaaccaaca agctgacgct tatgtggaga 60  
 agggcatcct cgacaaggaa gaagccaacg ccatcaaacg catctacagc agcctgtgaa 120  
 aatggcgggc agcttgagcc ttctgttgt tccagcaaaa acaatatagc ttacaaacta 180  
 attcggcggt taaagggtta ccagcccaga agtattagga tgtgctgaat ttatagtagt 240  
 taatccctta gaaatgagta aaatagagct ctcttgccat aaatacctta tgaaaagcaa 300  
 agctgtagag aagccgaggt ttttctatat agaatcctta tttcctcttg aatttacatt 360  
 ttgtaatcag agatgtgctg ctctggaaaa gactctaata ggttgaacat aagtctgaac 420  
 ctactcccca ctgtcctcag cccctgaag ctctgagagg ccctgtctcg gcatgctaga 480  
 cacctgagca cctcactgga tgtttgtcat aggatgtcgt ttccactagt cgatctctgt 540  
 tgggcacgga aataaaccca cgtctcttca tatccttgaa aa 582

<210> 206  
 <211> 173  
 <212> DNA  
 <213> Mus musculus

<400> 206  
 ggaacttctg ttgaagaact tcgtggaagc tctccttggt aataacagaa ggctgaaaca 60  
 accccaagat ccattcgaag aagatggaga agcatgttat aatccatcta gatggcgga 120  
 tattacatag cagtaccaat agataaatat agctttgtgc cacaaaaaaa aaa 173

<210> 207  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 207  
 gctggttcca ggctccaaga atgaattggn aagaatgggc ctnccccctc ctttataaag 60  
 catatncttg nattaaacat gtgaactttg agcagaaaaa aaaaa 105

<210> 208  
 <211> 222  
 <212> DNA  
 <213> Mus musculus



<400> 208  
taaggaatgc aatgacaaat gaggaacctc tacctctgtg agctgctaac tacatctaga 60  
ctctctctgc tgtctgaatc acagcagggc accttgagaa gatgctccct ctagcttggt 120  
aggatgctga ggggaaagag tgaggcaaag cctgggtaat gccatatccc tcaactcact 180  
tcatgaaaca tcctaataaa agtattttcta ctaaaaaaaaa aa 222

<210> 209  
<211> 237  
<212> DNA  
<213> Mus musculus

<400> 209  
taccctgagc tggcccaatg gagccttaca gaactaatca ggacttggtg agacctctgc 60  
actgaacttc ctataagtaa cttccaccac actggtttct actctcagaa ctgccccagt 120  
gcttgctggg tagacttttc atctaagaca gtggattttt naaaaagacc ttttttctat 180  
tgnttgagaa aaatcattgn ttcttgtaga actgcgtgtc ttccctaaaa ataatat 237

<210> 210  
<211> 220  
<212> DNA  
<213> Mus musculus

<400> 210  
tccttgactg ccagcgatag acccagcacc cagngaattcc cctgtctacc tcccgtgggtg 60  
attccataaa tccaccacac cccagagggg gcagcatccc tgggagatgg catcggtgca 120  
tgggtccacag tgtatgggtt gggccctttg atgtatcaaa gcctttgatt taattctggg 180  
tgggggctgaa taaacaaaaa cctggggggca aaaaaaaaaa 220

<210> 211  
<211> 257  
<212> DNA  
<213> Mus musculus

<400> 211  
atgccccggt gccaaatggc ganngcgaag gagccgtaca agaangcnca anataggaga 60  
ctnttccttc agagactaag ggactggggg aatcacacag aacgnngnag aatgtatnta 120  
cgntctanaa aagagcctac gctctatcta gctctccgtg ataaacatca ccaaattgcta 180  
ctgcatacct ccccaacctt tctctgttta aaaataatta taataataaa gcatttataa 240  
tctttcaaaa aaaaaaa 257

<210> 212  
<211> 101  
<212> DNA  
<213> Mus musculus

<400> 212  
acacatgtga catcttaagc tgccccaaag gattcacatg ctgngacaat gaatgctgcc 60  
cagaaagaaa ggtctgggat tctgcaaata accccttcag g 101

<210> 213  
<211> 154  
<212> DNA  
<213> Mus musculus

<400> 213  
gtaacctccc cagcctgaaa cctgtttgct caggtttcan aagagagcat cggggcngga 60  
gcttgccgcc ctaccattct gccactccca ctgctgaggc ctgctgcttt gctgntccag 120  
agtcaaacac gtggncacct gcaactttac tcca 154

<210> 214  
 <211> 181  
 <212> DNA  
 <213> Mus musculus

<400> 214  
 ggtgcaagtg ctagatgctc aagaggacac ataagcagac ccgaaacacg gcttgacttc 60  
 catgagcgac aggaccagcc ctacagcgac catggatgtg ccgcgatcac tgcttcttca 120  
 cgaataaatt caccctcgaa ctgttaaatac aataaagcct actgcagccc aaaaaaaaaa 180  
 a 181

<210> 215  
 <211> 160  
 <212> DNA  
 <213> Mus musculus

<400> 215  
 agagagttaa ttagatgtat cctttttctg tacatgtttc catggatatgt ggcaaaaatc 60  
 acactcagga tgtgaccagg tactgcaggg ttgcagtgtg atgcaagcat ggcagttgtc 120  
 catcagccaa taaacttcaa attgacttga aaaaaaaaaa 160

<210> 216  
 <211> 163  
 <212> DNA  
 <213> Mus musculus

<400> 216  
 ggtaagtctc gaaattcgat atcaagctga tccggaaccg ttaatataac ttngtataat 60  
 gtatgcnata cgaaggtatn angnaccncg ggaacctgaa gagccanggg ggggtgcacct 120  
 ttctactgga ccagganatg atncccccg aaatcgggtc ccc 163

<210> 217  
 <211> 552  
 <212> DNA  
 <213> Mus musculus

<400> 217  
 aagatcctgg agagctctca gactctgctt agngtactca aaagagaagc tgggaacctg 60  
 actaaagcca cagcttcaga ccagaagagt agtggaggca aggacagctg acgagtgcct 120  
 gtttcancgg nggcctatgg ctgcttagtc ctnaacatgt ctgtcctaaa gcatctttgn 180  
 tcttngnggc ctcagatgnc ttttatctct ggtgcccaga ggggcaatnt ntgacctcca 240  
 cctgcctana caagaaaagc cctaggacag tccaatggaa gaggtgttcc cagctccgta 300  
 ctcacatgtg ctgtggggac cctgagcagc tccatgaggg gcctctctct gaagctcctg 360  
 aatccctttg ggctaccagg aatgtcctgg tcttggtctg agtactgtgg gagcccctca 420  
 ctttgtctcc ccagccacta gggccccagg ccagacatgt tgaagaaaga atcttgactt 480  
 cagaaccaa accttagggc ccatncccat ggcctctggt gtttcaataa aggntgggtt 540  
 gcaagaaaaa aa 552

<210> 218  
 <211> 211  
 <212> DNA  
 <213> Mus musculus

<400> 218  
 acctaccggg ggagtnaaag agatgnggna cctgangaaa gccatctatc tgctgttttc 60  
 tttcccagac ttagccaccc acacaaatca tgggctttgt tctcatcaaa ggacatgaag 120  
 ttgctgcttg ctgaagatat tctagctgcc ctggagtttc ataatgggaa gctgtgactt 180  
 ggggtgtcaat aaagagagtt tcaacacctg c 211

<210> 219  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 219  
 ggaggggaga agatcaattc tgaaagtgca accaagcata tgaaaacanc agtctnctgt 60  
 tnagctagta ttggaggaga aaaacaacca acctacgcta ctatgtatac ttgataaatt 120  
 tttcatggaa aggggtgaatc agtgaatcga cttcggattt gctgggtttaa atatgntgac 180  
 tgttgaaacg acagtgaatg 200

<210> 220  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 220  
 ggaaaacctg gagagctgaa gaagaggatt attctaaccc agactgaaca tcacgtcctc 60  
 tgacagattg ggtgggcat tgatttctga caattaaaac attctgtttt caattcaaaa 120  
 aaaaaaa 127

<210> 221  
 <211> 456  
 <212> DNA  
 <213> Mus musculus

<400> 221  
 gctctccaga tcaggcctaa gtggatcact gacctggcta anagtaccaa gaaggcctgg 60  
 atcattgngg tgcctctctn cagaaaatgg tgacanaaat tgaaatcaac cancacatna 120  
 ggatcctctg tggcaagacc angataataa tgggggacac tgnatctgg cactgnggnt 180  
 ccttcacgac aacagtggct ggtgggtcct agatttacaa catcacttct gctgtcacag 240  
 tcaaaccggc catcangaga ctgaaggaaa tttaaagacca ntanaagtgc tactgtttga 300  
 gcanccntgg cctgcaatan atganttcac tcctatgaan ggttgnanta nagtgttggt 360  
 ngantannnt ncttcaaact ggagtgaagc gnaccttnan aagaccttan cccccagacc 420  
 agcttngcca gccctccaca agccccacc agaacc 456

<210> 222  
 <211> 284  
 <212> DNA  
 <213> Mus musculus

<400> 222  
 acccttgact tttagggatt tgctgctaca actgtaataa tgaaatgact ggaattacca 60  
 ctttctatcc gactaaagaa aggaatctga aactctgccc tacagtgatc tgagcatgag 120  
 agcatttatt gaaaaaaatt tttcccatct gagacctcca atttacagaa gagccagaag 180  
 cctctatggg ctttcttccc tactgacatc aacaccagc ctattgaaaa aaaacttaaa 240  
 actttggttg aaggtnggaa ggtggngat aatggacaga cttta 284

<210> 223  
 <211> 244  
 <212> DNA  
 <213> Mus musculus

<400> 223  
 gagctatgac aaagacgact gcgatgnaca nttccaccca gagaactgnn cctacngngn 60  
 gntggatcag aacgaaccca ggaaagacnt gttgagntga catgangctc tatagaaang 120  
 tccttgcntg tgggnccaaa agtgnagtnt natttnacct tgaccgatca atgcgaccng 180  
 tcatangctt gcatggaggt nacctgcact cctagcactc ntaangcata ggcagcatat 240

cttg

244

<210> 224  
<211> 208  
<212> DNA  
<213> Mus musculus

<400> 224

ctcccgagtc	tgtctgcggc	cctgatcgat	cagcagtggg	ctgagttcat	ctgctcaa	60
aagatgaacg	atcagagaca	gccaactccc	gagtctgtgc	tgacgtcctc	actgtnagtn	120
nttgctgcct	aattcnaata	aagatnntgt	ttngnnnnan	natcacattt	aaaacaaaga	180
nctaccaccc	tatcatcgat	gagaaggg				208

<210> 225  
<211> 257  
<212> DNA  
<213> Mus musculus

<400> 225

gaactacgct	gccatgaagc	tggtgaancc	ctttacgatg	aagaagacat	ctgctctgga	60
gaaggggggtg	caggctgcct	cctggcccag	gactagctgc	tcctccattg	ctctggggcc	120
tggtggtcct	gcgcatgtcc	atggagttct	tgggaatcac	gttattttca	tcttctcttt	180
ctcccctaac	ccaacactcc	tctggataaa	ctcttggtct	tctcagtata	aagcagacag	240
aaccagaaaa	taaaaaa					257

<210> 226  
<211> 329  
<212> DNA  
<213> Mus musculus

<400> 226

acaaccagag	gcccctnggg	ggcggngcac	aatgaaatt	cacgggtaga	ggaaaagaca	60
gaggacacac	tcctaaggga	agaggcaata	ggagcagaac	ggaggagggg	aaagagcaga	120
gcgtgaaaag	tcaaggtttc	ggggcctttt	ttggtaggag	gcctgtgata	aggttcttga	180
ctgaacaacc	tggccttcta	gagaaaacct	tcccactgag	acaactctcc	tgcgggaggg	240
tttcagagca	gcggcctgca	gaaaggaaga	gatgtcatcc	ttgaatggat	ctaatacagag	300
agggtgctgg	cctcagaggg	ggggggggcc				329

<210> 227  
<211> 538  
<212> DNA  
<213> Mus musculus

<400> 227

ggatcctgtg	ttggcgaggg	tttggcccgc	atggagctct	tcctgttctt	caccactatc	60
ctgcaaaaat	tttccctaaa	ggctctgggtg	gagccaaagg	accttgatat	caagcctgtt	120
actactgggc	ttttcaactt	gccgcccgcct	tacaagctgc	gccttggtcc	aagataggag	180
tttctccttt	taatcattca	aatcaaagta	attgttctct	ttttttctat	aaacagtcta	240
ttttgctaag	tgctacctag	gccagaaaca	tcactcacta	acagcacgtg	ggcatttggt	300
tccatcttaa	aacctgggtc	ctgaaagctc	ccaggacaca	ggcaggggtg	ctcagttcct	360
cagctgtcta	taaactaggc	cctaagcaca	actgacacca	gatccacaag	gccctcatca	420
gacgccacct	gcaagcagct	gcgtgctctt	ctgtggcttc	agaaatagaa	ttatatcttg	480
gcactgtttc	aatagagaaa	ttaatgtacc	agcccacaca	cattttccta	ttctcacg	538

<210> 228  
<211> 252  
<212> DNA  
<213> Mus musculus

<400> 228  
ctgcaccata aattcccagc atgccancgc tggagatatt ggggtgnnnn ggtncacagca 60  
ncanccagga agtgntnenn atnttctcta ctattacgca naagagggaac actatcggcc 120  
cnntgacntc cccgacagat tctaagntac cgnggatgca gccacacacg cctgtatnct 180  
caccatcanc cccgtgctcc cggaggatga tgccgattac ttctgttcca tcgcccacac 240  
ctttgaaccc ta 252

<210> 229  
<211> 207  
<212> DNA  
<213> Mus musculus

<400> 229  
cagcaccaga attaaagtgg gcctctttcc tgggtgacat aattgcactt tgggtctggag 60  
gcccagagctg cttccagcag cagtaactcg gtctgttaag gcagcgcctg cacagcctgc 120  
acactctgca ctgccttctt tccctgtgct ccaggcctca atgttcctt tctgcaaaat 180  
ggaatctatc tataaagata tctgaaa 207

<210> 230  
<211> 419  
<212> DNA  
<213> Mus musculus

<400> 230  
agtcttctat gagtgtctggc tcagtttctt cccacacgag gaccaggctg gcattgggga 60  
cgtcagagggc tgagatgtct cggaagtgt acctggtgct ctgggtcatc cgcaaacaac 120  
taagagagct ggcccgcagg caggagagggc gaagacggcg ccgtatgttg tctcatccct 180  
cccatacttc ccgtcactct gaaccagtgc agggcctcaa acatgatgcc cgaagtcctc 240  
tttaggcagg ggagccccag atcctttgaa agccccacc tcactcttac ggaagattga 300  
caggaagggt tcaatggcca tcaggccaga gctactgggt aggagacatt cgaccatact 360  
gccacatctc actggagccc caagaccagg cctgggggtcg aacacacttc ccttctctg 419

<210> 231  
<211> 231  
<212> DNA  
<213> Mus musculus

<400> 231  
ctggactgtg attctgcagg tcttttctna taagcaaanc tttgcttttt tanccaanat 60  
accatggaca ggacnanatg ggctnancgt ttncanagg tcttgantcc aattcccagc 120  
atcccacatg ggggctnaca accatntgta atggnangcg angcactntt nngggngtg 180  
cttgaanaca gctacagagt actnatataa ataaaagtaa ataaagaaaa a 231

<210> 232  
<211> 365  
<212> DNA  
<213> Mus musculus

<400> 232  
ccaccctcct ccctgcagag agggcccatg tgcttttatgg gaacacagtc ctagaagacc 60  
ctgctaagca actccgtggg ggaagtgcct gtcacccagg aggagtctta atggactgtt 120  
ctcttcaacc attgcaaagg gtagaagacc ctgctaagca actccatggg ggaagtgcct 180  
tcacccagga ggagttctaa tggactgttc tcttcaacca ttgcaaaggg tcagatgagt 240  
atgggcttgg gccctttaat tcacaaaccc agtagaaggc aaagggaat tctgccagag 300  
aaccacaaaa catgactgag gaagaggctc agtcagtaaa tgtttgcctt gtgagcttga 360  
aaaaa 365

<210> 233

<211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 233  
 ggcatcaaca gagagagaat tcattttacct cacaagcaac tgcaggatga acctatctga 60  
 tttgctcttt tcttctatgt gacggcaaaa cagagaggag ataacattca acaaagacag 120  
 ccaggaagca cagaaggaca aaagacaagt gcctgggtgt agcagagtca tgagctactt 180  
 tcttactttct tagtttctgc cactgactgc caaaatcaca atgcaagctg catctacaag 240  
 agtctctctg tccccactgt ggctttgcag tgcaagatca agccaggtag agatccacct 300  
 gagacctgga gaaggggcag ccacactgta ggtgggcagg ataggccctc agctaaccac 360  
 acccatatta tatctacca gaagttctta ccactgactc atagaccaa ggggtcaact 420  
 tcagaatagg at 432

<210> 234  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<400> 234  
 gattgtccta ctgagagttg ctactgccga gccccagttc cctgggagct gcaagccaga 60  
 agaaagttcc aaccagactt catcaatctc tggggtttct aaaaccatct tgacccttag 120  
 cagtggctag acacagcatt ttccaagtaa agaaaagttg aaaaacctga aaaaaaaaaa 180

<210> 235  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 235  
 gcctgttgga tgggtcatct attttaatat tggagcaacg taaatggatt gttaaaaaga 60  
 tgaacatttt tccctcctca ttaaaaatct tgaaatttaa aaaaaaaaaa 109

<210> 236  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<400> 236  
 ccaaggattt ggctcnatt gtcctggagt tncaatgctg ntgtganaat aaaagcttnt 60  
 caatgctggn acaatgntga aaaanatggc ctctggctg gatcacagct ntnatatnca 120  
 tgctgatgtc tgccatgacc tctgtcctgg aaataaaaag attttagtaa caaaaaaaaaa 180

<210> 237  
 <211> 376  
 <212> DNA  
 <213> Mus musculus

<400> 237  
 acaactgagg ttgggatggc taccagctgg ggcaagcatc ttgcaggatg agaagcagct 60  
 ggaagaactg gcaaagcagg ccatagaccg ggccctggcc gagggcgtgt tgctgaggtc 120  
 cgcacagcat cccagctcct ccgacgtng nncanttang ncantctgnc ncnnccttc 180  
 acnaanangn agggntcttt nggnnaaga ctntgntttn nttatannct taacttacng 240  
 ngngntgntg tengccaaa cccatgcttg ntggagccac acntgtctaa caccatcaaa 300  
 aaaggacgac tatactgcc gtntctttga tatctacaaa caangtcctg aaagaaggca 360  
 ttgcccaaac cgtgtt 376

<210> 238

<211> 452  
 <212> DNA  
 <213> Mus musculus

<400> 238

gtgaggggaac	aactgtcaga	agaaacagag	caccatacct	ggtcgctcct	catgttccagt	60
ggtagacagag	cgcagatgct	caagatgcag	gaagagaacg	acaagttctc	ggaggccctc	120
agggaggggca	ccgagttcca	ctccaccttg	taccacatga	tgaaggactt	cgcctcccc	180
gtggcaatgg	agagggtcag	gcattcgaac	tgccagttca	tcgactcagt	gtgctacatg	240
ctgctgtcta	tccgcgtcct	cagctattcc	tagctattcc	tagcccttac	agcgtgtgta	300
agcatgggtg	acccttatac	cgagaggaat	caggtatctt	tccagtcagc	cgctaaagtg	360
atttaagagc	accaggcggt	ccagccacac	tgacaaaaga	tttgaatggg	ctttatttgg	420
atacatctca	ataaagtctg	atgcctctca	ct			452

<210> 239  
 <211> 303  
 <212> DNA  
 <213> Mus musculus

<400> 239

cgatcattga	gttttttcaan	agccttggct	gngttaacac	tccattnaac	caggaaccan	60
agccccca	tgatgatgat	gcantgttgc	tgaagnccct	ggagaccttt	gacnatctgt	120
aaagcaggag	ggccggagaa	ggaggagatt	aaatggggga	ggggcggggt	caagtttgaa	180
taccagtagc	tagagttata	ctgccttgct	tttcaagact	cattgagaaa	ggctgcttcc	240
aaaagccttc	ttgatgttct	tagtttctgt	tactataaag	ttttaagagc	aatgaaaaaa	300
aaa						303

<210> 240  
 <211> 303  
 <212> DNA  
 <213> Mus musculus

<400> 240

tactcgttca	gcggaggcca	ctggccttag	gcggntgcct	ggccccagca	ccatggntct	60
gtctcctggt	accaccctcg	gtcctgaggt	ctgagcatct	ctcaagggtc	ccaggagggtc	120
cttggcccat	gttcatctct	tgcccaagcc	ctcagcaagc	actgccccac	aaccattgtc	180
cactgccatc	ctaccagagc	ctggctggat	ttgccctgct	tccacctggg	aaganggttn	240
aaaacccttn	gcntgtgcaa	ggnaaaaggc	ntaaacctcc	atgngcctgg	ccttttgggt	300
tgt						303

<210> 241  
 <211> 393  
 <212> DNA  
 <213> Mus musculus

<400> 241

ggagcgggggt	gcgctggacg	caggagtgc	ccntccatng	cncagaacac	caagtnccatg	60
cagactcaaa	gccccccatc	agagtcttcg	agaataggcn	aacgtgaatn	ctatagcttc	120
ttntaatatt	tttttctttt	agagactatt	ttgattcttt	gacagtttca	tgctgtgata	180
caatgnactg	tgannataac	accnattct	tnacacnnatc	tnannnacag	gntcctgtgg	240
tgtagaccga	tgaaatgcgc	ttagggcctt	gatgganctt	ccttaatttt	tttaaaccgg	300
atgccgntat	gccacttatg	tataaaatta	gtgatgaggg	cactagtccg	cctactggag	360
tagaaaactt	taatcccaga	gtaagtaa	tcc			393

<210> 242  
 <211> 360  
 <212> DNA  
 <213> Mus musculus



<400> 242  
gccagcccag cggccctgag tctgacaaag ccttcatgtc caancnggag ggcaataagg 60  
nagngaacag actccggcgc taccttggag cctcagtcac cagcccagat cccctggagc 120  
ccaccgggga gcagtgtgag ctttaaccctg cttgtgacga gctatcagac cagtatggct 180  
tgaagaccgc ctacaaacgc atctacggta tcaactattta ggacctgtgc tgccctaaag 240  
ccaaactctg gcagctcggc tttggctgct ctccgggact tgatcctccc tgcctctct 300  
ctctgccctg caagtatgga tgtcacagca gctccaaaat aaagttcaga tgaggaaaaa 360

<210> 243  
<211> 325  
<212> DNA  
<213> Mus musculus

<400> 243  
gctgtcaagg agcctggatc ccaggagcga cctgctgtat agaggctggc ctggggccata 60  
gaaaccagag agaggagtca acagttgtgt ttcacccacac ctcttgatct gattttctca 120  
cagaaagcca ggcaggatct gctacttagg agtctttagt cccacatgga gtcctcagag 180  
cttcaggggc tcagtgtctaa ccgttcaacc tactcaaggc atttttagtag gaggggctgg 240  
ggcttaacgt ggtgtttgat cgcttcactt gcacttgtag aggacctggg ttcactttat 300  
cttacaataa atgaatgaat aaata 325

<210> 244  
<211> 426  
<212> DNA  
<213> Mus musculus

<400> 244  
gggaagctca ttaggcatcc gaaagttcta aaaggaggct ccttgagatt caggaactaa 60  
aggactccca agtctcagga agttcctgga accgaccaga acatacacia agaagactct 120  
tctttcttca agattataca gcagtaaaga ttgctgagag actctccaaa ttgagctgcc 180  
tggaagggtta caaactcatt gaggtgccca gaagaaagac taagattagt tgagctgccc 240  
agaagacata ttcccaatct gtccagctgg ccccaggcta tgcaatgagc tcagcttttg 300  
tgagttgtta tctatatagg gatggacgtt cagttcagtt accttggagt aatcatgctc 360  
tttcaagtaa tcccctaccc attttcctgg ggagtaaccc aataaatcca ttgtttcacc 420  
atgctg 426

<210> 245  
<211> 139  
<212> DNA  
<213> Mus musculus

<400> 245  
gggattcaaa cgggagccgg tttggactga ctggatgcct tctcctcct cccctnctc 60  
ccccttctgc ttcagatnta tttattatat agtaagaaca ctgaagcagg ngtaggacac 120  
actagacgag ggcaccaga 139

<210> 246  
<211> 318  
<212> DNA  
<213> Mus musculus

<400> 246  
gacggctttt atacagtgan atcggaagcg ngtaacanga gacaaatata tgagacgcac 60  
tnatgatcta tttnnnctnt nancctttgc gacatggatt ntcactgagc aaaaccaana 120  
ccaaccagaa tgacgatntn attatatgaa tgtgacggtc tctgtctccc cacctnctatg 180  
tggaacaatg nattcangat acttagngta ccacgtttta atgaccaggt ctcaggataa 240  
agagntttac agaaaattta aatgcctgg naaagactct tgggntcctg tccccctttc 300  
ctcattaact tcgaaagg 318



<210> 247  
 <211> 219  
 <212> DNA  
 <213> Mus musculus

<400> 247  
 gcatgctact ggaaaatggt ttgggggaggg ctgnaatgac ctgnctggac attgtcgccg 60  
 aggtatgata actgttacct gaaggggtct ttcatgggt ggaggctggn nctacctntg 120  
 tacttgacct taacnatang angccannac ntgnnnccca nccgactncc nncgggtcnc 180  
 agncgggctt gntctccctg accagaaacc cacctctca 219

<210> 248  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 248  
 gacacccagg attcagcana catccaagat atggaggaga cactagatgt gaattcttat 60  
 gcagngaatt aaacaatatg ttattacaca aggaaaaaaa aa 102

<210> 249  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 249  
 ggtagaaaga atccagaggg taatggggcca tgtctccctc aagagaagan gtctacatta 60  
 taaactccct tttcaacccc aacacccact atatattttt aatatataga aaaaaaagct 120  
 aaaaaaaaaa a 131

<210> 250  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<400> 250  
 aatcaaatat gcattgatac atatagcata acaaatatat atgatttttt ttcataactca 60  
 acaaatgggt aaactgagtc tcacagtagt aaaatgactt atttatgaca cattggtagc 120  
 agacactgaa gttnaacctg agcctttcta tacttttcta atgacctgct atactgattt 180  
 cattcttct 189

<210> 251  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 251  
 ggagcctagg actgctccat ngggcaacac acaaactatn ggcatnatgn ctntaattnc 60  
 atggccgctn cantgcactn gggatgcttc attgtaaact ggggtgtgta actgattctt 120  
 tattgctcac tctgtcccat ctgagccaag ccagctgttg gcaattaaaa cccacttgca 180  
 acctt 185

<210> 252  
 <211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 252

tgactgatgc	catcgccctag	atnataaagc	gcccgtcact	caagcacaga	agtnnaaatg	60
gacacgttca	ttacttttact	gatgtacgat	cnntcnctga	cgtannacct	caaagaggna	120
aggctttgng	catatgcana	aacgggggaga	aaaaaataat	ctctccgagt	cagaagcctc	180
gggggagcat	agcaagactt	atcaaagtta	cagtgtctcca	tttggaaagc	gccaaccgcc	240
agccctcggg	cgaggtgcag	tggtgcataa	ttaatgnagt	cccagacaca	ggtcactgaa	300
gtgcccacag	gtgtgtgcct	gggtttcaat	aanggccttt	ccttggaact	ccttttcgga	360
ttttgagttg	ggcc					374

<210> 253  
 <211> 161  
 <212> DNA  
 <213> Mus musculus

<400> 253						
agcgttecta	atcccacctg	actgagaaga	gtgaccagcg	gacctaaggc	tctcttctgg	60
cctacataga	cgctgtctct	cacatgcaaa	aaaaagccca	cccctacatg	tctaaacaca	120
aataaaatca	tttataaaca	atataaataa	aataaaca	aaa		161

<210> 254  
 <211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 254						
ggtaagtctc	gaaattcgat	atcaagctga	tccggaaccc	ttaatataac	ttcgtataat	60
gtatgctata	cgaagttatt	aggctccctca	ggctcatggc	aggccaccca	cctctgcctc	120
tggagtgtctg	ctattaaagg	caggagcacc	gtcatactca	gctcctaagc	ttcattttaa	180
aaaaaaaa						188

<210> 255  
 <211> 414  
 <212> DNA  
 <213> Mus musculus

<400> 255						
ggacaatgaa	ctgccgggatg	ctgcccgcacc	tttgcantgn	cctcnatanc	tggnacgggc	60
canaccaacg	ctatttttctg	ggnttagggg	atangactac	ngngtnaggg	nttagcaaac	120
ggatggaaca	tgtgtggaag	atggtagcct	atccaggcca	nancntntnc	antgtcagcc	180
cggctcacta	cgcccgtcgc	ctctgtcggg	gggcagaggt	gcacacagaa	tgactcacgt	240
gtctgccttc	ttcccttatg	gacaatgcgc	cggcaactat	tctgcagctg	taccagggga	300
gctagcctgc	agttcatcct	accagccacc	agagggaagc	accctcataa	ctaattgtgt	360
gaagactcaa	cccatttcgg	tgacgggtgct	gtaccctgca	tagaacaagg	accc	414

<210> 256  
 <211> 210  
 <212> DNA  
 <213> Mus musculus

<400> 256						
caggggaaac	accctcttnc	tacttacact	ngtctcgccc	acccccatt	ctctccttgg	60
ttntttggcc	ctttactgtg	gctgtacttc	anatnatnaa	agcaagagaa	agaatgtgct	120
gagtntntc	ttccctgngc	cttaagggcc	ctnatccag	cagcccatat	agccagcaaa	180
tggaggactc	ctaacttcag	cacaagtggg				210

<210> 257  
 <211> 346  
 <212> DNA  
 <213> Mus musculus

<400> 257  
 ggtagcgta tgcctacgcc ctagcgtaga gagtgacgat gtcccttgaa cagcaacctc 60  
 gccagcacgt ctntagagc acgtggatgg gagngcacga gcagcagcag ntgctaccat 120  
 ctatcgtgac atagtgtact cacgaagaat gtgatgtgcc gagctgcgag aacacttcng 180  
 cgcttgcacc nttcgccctt gtccctctaga taaantctgcg tngtccnna aancgatacc 240  
 catntgagaa ccatngatt aatagataaa gcaaagacag tntctgaaaa ggaaaagtgc 300  
 gaagatgngc ccntcacat cacgaacatt tatgaagata gcccag 346

<210> 258  
 <211> 372  
 <212> DNA  
 <213> Mus musculus

<400> 258  
 ggatgaccgg cttcaactcc ggaggaaata aactactac ctccaacggg tccccctcct 60  
 ccaattccgg tgcgccagat ttccgaaagt attactcag cctggcgctc cttccctggc 120  
 cttcagcagc cacaggagga gagctgatgt cgctgtagg atgagaggac tgcaggatgt 180  
 gatgccaggt cccattgtcc ccccaggac ccatggctct gacaagccct gaggggtgggc 240  
 ctttcccat ctctctctgat tggaatcttt cttctcccta cccattctc tctattcttt 300  
 ggcttctcag tgtctctaca acaagaata gatgattcaa taaagtttct tgattttctg 360  
 caaaaaaaaa aa 372

<210> 259  
 <211> 373  
 <212> DNA  
 <213> Mus musculus

<400> 259  
 ggaattaccg tccccagct ccgtggccag cagtgactca ggaagtacag acgaaatcca 60  
 ggaagacctg gagcgggagg cggatgtgga gccatggtc agctgatgac ggaggcccga 120  
 cgctcctggt ggtcttggtg atgggggtcca gcctcctctc cccactgagc cgtgtgggct 180  
 ccactcctcg acacagactt ctgtcctccc ttctccggag gccagcggg accgctgctt 240  
 ccttccttcc tccaccaccg ncccatggaa tgggtgctgtc gatttttcta ttgtccccac 300  
 ncacaccnca aacgcntact tttgngcgtc catgcagtgc aactgtgcct tctcccttaa 360  
 gctgagccac ttt 373

<210> 260  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 260  
 aggagaccca tgaagttccc tggtctctga ggaggaaaca tctcatgtct cctgatgcct 60  
 gctcttcagt ttctgtctag ctgagacacc acaaatgatt gccctcttcg ttttgaattg 120  
 ctataaaagc atgcctgggt ctgagtaatt tataataaaa tgcnaatgt atttggctca 180  
 tgaaaaaaaa aa 192

<210> 261  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 261  
 tagaaattga actctggaag agagggttcc cagactgcct tttgagaata aaatgggagg 60  
 ccanaaccaa agtcttttga ataaagcacc acaactctaa aaaaaaaaa 109

<210> 262  
 <211> 347

<212> DNA

<213> Mus musculus

<400> 262

aaagatgaag	gcagagatca	ggaggggaaaa	gancttttga	ggggaactgc	gcatctcctt	60
ccaggagccc	ggagggggaga	gacagctgct	cagcagcagg	aagaccctag	cagattatgg	120
gatattctct	aaggtgaaca	ttcaagtgct	ggagaccttt	cctcctgaga	tcctgggtctt	180
tgtgaagtat	cctggtggcc	agagcaagcc	tttcaccatc	gaccctgatg	ataccatctt	240
agatctgaaa	gagaagatag	aagatgctgg	aggcccttgt	gcggaggatc	aggtactact	300
gttgatgat	gaggagttgg	aagangatga	nagccttaaa	gagcttg		347

<210> 263

<211> 166

<212> DNA

<213> Mus musculus

<400> 263

aaggactgcg	gaggcnaacn	ctttgctgtg	ttcaaatacca	agtcaagggt	acaaaaaatgc	60
anagcaataa	agcctttaac	ttgganaagc	aaaatcatatc	tccaagggaa	gcgtcatgca	120
acatcacctt	atnaaaatac	ntttgaagcc	ttttcaaaaa	aaaaaa		166

<210> 264

<211> 375

<212> DNA

<213> Mus musculus

<400> 264

agacctgaac	actccagctc	ancctcactt	ccaagcagtt	gcacacggag	tccttattca	60
tccaacggct	ttctatactg	ttttccagaa	gtgggaaacc	ctcggcatta	cgctagtgg	120
ggcggttggg	accttaaaac	tgacgtgaat	ctacnattcc	cagtagcaag	gcaaaacacc	180
agaggacgtg	aatatgancc	taccgtctng	ctcgctcgga	gactcaatgc	ccagggactt	240
caagcctgca	aggactanga	aatggaaagc	atcggtctaca	agtgccgncc	tccccattac	300
ccttnctctc	cgncccaag	gaggcgtgta	ctaagtgaag	ggactcggct	tatagatccc	360
acccatttgg	cgagc					375

<210> 265

<211> 123

<212> DNA

<213> Mus musculus

<400> 265

aattttgtca	gaagcactgg	agacttttagc	cactgagctt	natgaactag	aacgatccct	60
ggttgaagga	tncccgccctg	tcagcatcct	tagtgaggag	gagttctatg	atgcactgtc	120
agg						123

<210> 266

<211> 192

<212> DNA

<213> Mus musculus

<400> 266

gatggacaac	gaaagctgag	gaaggagatg	tacaagggtc	ggagaggggc	tgtcgtacag	60
ccactggatg	aaggaaggct	cccgtccca	tcctgagctg	aaaaggaaaa	ggagcatcaa	120
agatccaaag	cctcgcggtt	ggttttttatt	tttattaaaa	acctcctgat	tttctccact	180
gaaaaaaaaa	aa					192

<210> 267

<211> 338

<212> DNA

<213> Mus musculus

<400> 267

aaggccagac	ccagacacca	cacccagcaa	tggatacagg	acatcacacc	cagcaatgga	60
tacaggacat	cacacccagc	aatggatata	ggaccttgga	gaaattagga	gttgtaagca	120
ggacctaggc	ctgcttgatt	ctttcccacc	taagttaggt	tctggagagg	gagcccttcc	180
acccttccag	acccagcaaa	agggaagat	gggagcaaga	agcagagggt	agacgggcag	240
agctaggaag	acagcccca	aaagaactgt	gggggaaata	aatcggatgc	ccttgggtgg	300
cagcaacaat	aatcgtaca	gcagtgacaa	aaaaaaaa			338

<210> 268

<211> 469

<212> DNA

<213> Mus musculus

<400> 268

ggctccacca	gcttctcgga	tggagccagc	gcccgtatcc	atgctatccg	actgcaaaga	60
gagtcgtgga	cgtgaaaaga	aaaggcacia	caaggagag	agaacctgcg	ccccgcgatg	120
ggcgtgggc	cgtgccgcca	cctaccgagt	ccgagacgaa	gcctcgggtt	tgcaggacct	180
tcatacccca	gacaccgaac	cgagcccga	ctgccaacgc	cgagcctgcc	attgtcttcg	240
gcgttgctca	gctcgcgttg	cgggcgtggc	tgcttctctc	ctagcgcgct	aactgcgagg	300
gcggctgaac	tgccaatcta	gacgccgggg	aggtgggacg	agcacggaaa	ccgcgaatca	360
ggagggaggg	ggcggggctt	atgatattctg	cagcgtttgt	tgagagggag	gcggatttat	420
ccttagttaa	caagtaataa	acaaggctct	acgcatcatg	acccagagt		469

<210> 269

<211> 397

<212> DNA

<213> Mus musculus

<400> 269

ctgccgaaga	agagtgaatg	agaaaagaac	aggccaaagc	tgctgcagga	aggtgccggc	60
ccaggagacc	tccatcatca	cccggctggt	tgaaggacag	ctcagttaca	gcatcacatg	120
tttaaagtgt	gagagctgca	cgcacaagaa	cgaagttttc	accatcctct	ccctcccat	180
cccattctgac	tatgaatggt	ccctccagga	anggagcccc	cagctnctga	atatanntnc	240
ttggnntga	gatgtgnngg	gaggggnngn	cttttgtgaa	atnaagcaag	aggcanctgn	300
gaggaccacg	atttccaagg	tgccgaaaat	aattgttttt	cactttaaaa	ggnttgacat	360
ccagggcaca	nttnaganga	aggttcggca	gacattc			397

<210> 270

<211> 266

<212> DNA

<213> Mus musculus

<400> 270

gggaaggaga	agaggcggaa	gcagccaagg	agctgctgct	gaatctacag	tccacggggc	60
ttcatctcct	ctcagggggc	tgccaatgtg	tcccactctg	ccagggaaga	actcgacaat	120
acccctcag	aggctgtttt	gttagattaa	agttggattt	gactgtggan	ngcggantt	180
gaaganttgg	accatgtgac	ccagaactan	aatgtaatta	ctactgttca	gttaattgct	240
ttaattttct	gggctggggg	gggcgg				266

<210> 271

<211> 358

<212> DNA

<213> Mus musculus

<400> 271

ggtgagggcc	cgactgctca	cctgtgtgga	ggggatggat	ttgtccctgt	tagagaaagc	60
catcttggag	cagaggcgtc	acctgcagaa	gaggcagcag	ccaataggag	acgccagcac	120
cttgcaaacc	cctacacctg	ctcctcaatc	gattcccagt	gacagcctta	gtctggaacc	180
agagaacagg	gggcagcagg	tgccccttcc	ccaaactctg	gactgagcag	aaagcccacc	240
caatctggcc	gtagtggccc	atgctgcaat	cccagtgcag	gcagggagag	gcgggaagag	300
gtggagttta	aagccagtct	gagctacata	acacatatgc	cctctctctc	tcaaagaa	358

<210> 272  
 <211> 219  
 <212> DNA  
 <213> Mus musculus

<400> 272						
gattgattgg	acccaggacc	ttcccacggc	tacagagggg	ctctagtacc	aagctacatc	60
tgcaccccaa	tccaccgtta	acagctctac	aaaagaaccc	agctgcctaa	gctctcttca	120
ggtttcagtt	ctcactctaa	ccctgtggct	ctgctccttg	cctctctgct	cctttcaata	180
aattcagttc	tagtttggtta	atttactgaa	aaaaaaaaa			219

<210> 273  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 273						
gaacgcctgg	ttccgtttaa	tgaagtgcga	ttaccaccnc	cncctgatat	natgtaaggc	60
agctganaag	cttnccctggg	ntctctggaa	gencancang	ngctcttaac	catngagccn	120
tctctccatc	tcaaaccacc	catgtatata	aaatgaaaat	acat		164

<210> 274  
 <211> 349  
 <212> DNA  
 <213> Mus musculus

<400> 274						
ctgaggtatg	ggagtttttgc	ctggataaga	cagaagatgg	tggcggatcc	cccggaagtg	60
atgttacaga	cacttgtgag	cctccatgtg	gatgctggga	gttgaatccg	aattccctgg	120
aagaggagca	cgtgctgttc	actgctgatc	cgtacctgga	gctccacaac	gatgacacac	180
gagttgtgag	agtgaagggtt	atagctggca	taggcctggc	caagaaagac	atcttgggag	240
ccaggtaaata	aacaatgcat	gagcttgggg	tttaaggaaa	cagtattgct	tantttcttt	300
cttgaacttt	gattaaatga	aaatctgagt	gatagtagca	aaaaaaaaa		349

<210> 275  
 <211> 258  
 <212> DNA  
 <213> Mus musculus

<400> 275						
tcagaaaact	tcctgaactg	gnacgtcatc	actgatatgt	tcaaaaatgc	atttcctttc	60
attaactggg	acttcttccc	taagnnnaaa	ggactgagan	gngccgatnn	tgatnccnag	120
cgaccattct	ntntaagacc	tangaccnan	nctgagcccn	ntggancagg	aggcnngcga	180
aggaanctga	agtccatcct	acgacaaatc	tcccctgcct	cagttccccc	aataaagtgt	240
tttccactca	aaaaaaaaa					258

<210> 276  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 276  
 ggtgtccgcc gatgccttag aagtggagtt aagagttgtg agctgccgnt ttttggctnt 60  
 gggactcgaa ntctgttcac ctnggatnnt atcngncncc aagncatata cttgagcccc 120  
 agcnacatan agacttcagt gagaaccaga gagatgggtgc caggcctgcc aacctgagtt 180  
 caatagcaga acccacacag tagcaaaaga accaactctg acctccctc tccccctccc 240  
 ctctccttcc cctctccagt agtcactcca gagacaccca aaataaaaaa tttaaatgta 300  
 aaaaaaaaaa 310

<210> 277  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 277  
 aagcccaatg taagggttcca gatggcccccac ttattttggag acaccatttta acacggtttct 60  
 gcttctactt ccatgagaac ctagtgaaga agacacagcc agagctttga tcaaagattc 120  
 caaatgcaaa tacaactaac caccacaactg gtcccatcag ccaatgtatc tctttgttac 180  
 ctcaagggag attgatttac gctttcatca ataaatcttc atattttcaa agaaaaaaaa 240

<210> 278  
 <211> 273  
 <212> DNA  
 <213> Mus musculus

<400> 278  
 tatggacgaa aagatggatg ttttaattaa taatcaagaa gaacaacaag cttccctttc 60  
 aaaaccaagc caaggagcag cagaaattct ggcagctagg aaagatggac aaaggctccc 120  
 aagccatgat cacagaagaa cccgatggag caccattggc ttgtgacaag aatgtggtgc 180  
 caccaaaacc aacgaggaat cactggagt cctccatcc atgtcagagt tgctgcgaga 240  
 aatgtttgtt gtgtgcccta aagaccaacc gca 273

<210> 279  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 279  
 acttcttgaa ccaggattcc ggaagaaatg gagacctttc cntacatntt gtgagcanca 60  
 aaaggannag nntggnacgt gtntataaat gacgttgaan taaacaggnt gttttttgtc 120  
 aaaaaaaaaa a 131

<210> 280  
 <211> 276  
 <212> DNA  
 <213> Mus musculus

<400> 280  
 tgtatagctg acactctgna taacacntgg tagctatctg ctggagaagt cgcgagtgat 60  
 ctccagctg cccggtgagc gtggttacca tgtctactac cagatcctct cagggaagaa 120  
 gccggagctg cagggtgagg gtcaggatgg gaggtcagat cccaaagaca ctgcctggct 180  
 ctgggatggg tggtcaccct ctctgcagag gcgtggggca cctccactct cctggnaaca 240  
 cacagctggt tggtccaccc tttttcttcc tactgc 276

<210> 281  
 <211> 305  
 <212> DNA  
 <213> Mus musculus



<400> 281  
aggcctgggc ctgaantctc anagccccaa gctgtgcggn tncacgagac tnagntcttc 60  
ctanatcaan tgncttggt ncttcatgng caaacgcaaa cgcanactg ccanagaaga 120  
cagtanacgc tatncttcct gaagctncca agggagtncc tgcctgccag ngccaccaga 180  
tgacagtnca ccatggagga tnttctcag atctccgtnc tcatcagtca cctgctgggc 240  
agntgcctct tanattcctg tctgcannnc agacagtcgn cantatgcac actttacccc 300  
agcag 305

<210> 282  
<211> 281  
<212> DNA  
<213> Mus musculus

<400> 282  
cagcgccatc ggccgacccg ggcgcgcccc acgcgtgccc ggactgcggc cgcgccctttg 60  
cgcgccgctc cacactagcc aaacatgcgc gcacgcacac gggcgagcgt cccttngcgt 120  
gcacggaatg cggccggngc ttctngcaca atnnnattct gaccanacac ggacngncnn 180  
anncantcca anaaaaggga ctatggcccc gaatgcgaca agcgctnctc cgncgcctnn 240  
aacctgcggc agntccggcg gngtnacacc gtagagaagc c 281

<210> 283  
<211> 140  
<212> DNA  
<213> Mus musculus

<400> 283  
gacccccggt ccaatcgaca acactaaaan tgcggttact aaatgnggca gtgtgatgct 60  
caagcaagga gcanactctg gtcaaatttc agaagaaaca tggaatttcc tgcagtctat 120  
atatggtggg gggcctgaag 140

<210> 284  
<211> 148  
<212> DNA  
<213> Mus musculus

<400> 284  
accctgaggt acgacggcga agctccaaac gagagagacg atgaacacgt cattaacttc 60  
tattgtgaaa gctttggggg gaaaaaacat tttttgtcta aatatgaggc taaataaagc 120  
cttgatgca caaaccagaa aaaaaaaa 148

<210> 285  
<211> 474  
<212> DNA  
<213> Mus musculus

<400> 285  
gacagcaacc ctgctctgag actgcagccc aggctaccca ttctttcttt ctccatcctt 60  
cccttgattc tgctgcagac cctctggtag ctgggcttcc tcagggtcct ttgtcctctc 120  
caccacaccc agactgattt gcagcctgtg gtgggagaga actcgccagc ctgtggaaga 180  
agacccagcg tgctacacag caaccggaa ccaaccaggc attccgcagc acatcccgtc 240  
tgctccagaa gaggtcttag aagtgagggc tgtgaccctt ccgatcctga gcggctagtt 300  
ttcaaacctc ccttgccccct gcttccttcc ggctcaggct gctcctcctt aggactttgt 360  
gggtccagtt ttgccttctg ttctgatggt gattagcgtc tcacctncag cgcttcttcc 420  
tgtttcccag gaccaccag aggctaagga atcaagcatt ccctgttgcc ttct 474

<210> 286  
<211> 393  
<212> DNA

<213> Mus musculus

<400> 286

gaactgaggt	tggtacnca	gagcgatatg	aaaacagaca	aggagcagga	ctcatccatc	60
aacctgatcc	gntgctccta	nctgggcagc	ggggacagna	gncaagtcac	ttctgaggaa	120
cagattccct	acacagtgnn	ttccacatna	caganaaata	tantgcagag	ctactnanga	180
cacagagaaa	gcctggctac	ccaacagccc	ccaagaaac	agnccantgc	caccgnccga	240
ggcctcagan	agcttancac	acangccgat	ccacatccat	tatcatgcct	taatcgnata	300
cgagnngct	gaacaanncc	cataccatcn	ttctggactt	ttccatgggg	cactatgtgg	360
ataatcnggc	tntggttata	ctaaggcagg	acc			393

<210> 287

<211> 198

<212> DNA

<213> Mus musculus

<400> 287

agatgatgac	gaacatgagt	ggattgtcag	gacctgccgc	aagggctggg	tgccaatgcc	60
caaacangaa	gtcctagcca	tgagcacctc	ggcctcagca	tctcaccagg	gacttccttc	120
tgcccactgc	tggcctggga	aactggctgt	agtcctagct	tcgacttaag	tttcagaata	180
aaggttttct	gcactgaa					198

<210> 288

<211> 431

<212> DNA

<213> Mus musculus

<400> 288

tattttgcggc	ccgacttggc	tgcagtcctg	ctggagagag	aggctgtgag	cccagctgcc	60
gcacctatgg	gcagaccttc	gccaacgcc	cagatctgtg	tcactctgct	ttgggtcacg	120
tcctgcgggt	agcanntcct	ggttnacagc	nctgcctcaa	cgnctncatc	tnctctacag	180
gagcccggcg	ccgccctngt	gcctgnattt	naaatgttgt	atgonntggc	ngcggcagcg	240
gcancggcna	cagcccngag	ccaatgtttg	gctttcaata	cgtgtccctt	ccctaggcca	300
gtgagccacc	cagaagtcac	ctacctctct	tcctntatcc	ttccttccta	aaccaggccc	360
tnccacctgt	nttcctagaa	atgatctaac	cctcacttat	tttgcttncc	caaaataaag	420
ttgccagcct	a					431

<210> 289

<211> 483

<212> DNA

<213> Mus musculus

<400> 289

atatcgcaca	tgctaagcaa	tccgtctctt	gaggaacatc	gcttcaagtt	ctgaacttcc	60
tgtcaggggc	tcctgcagtg	caagctggcc	tcgcactcgc	tgtagagcta	atgctggcct	120
agaattcctg	accctcctgc	cttttactta	ctccaaggaa	ctgagaatat	ggacctgaac	180
ctggatttac	gtttgctcta	tgagtgggtg	aaccgggcac	cagaacatgc	caggcagtg	240
tccaccactg	agttacgtgc	ttacactagg	cttttaccct	tgcaaagatg	gttgctatgg	300
acatttata	atgtgattgg	cttacgtggg	atggtaaaat	agtcttata	tttgcagatt	360
tggttattcg	ttgnttattc	atttaggtct	ttaaccatct	ggagtttatt	ttggtgnaat	420
ttttttttta	acattttgga	gcttttggnt	ttattatcta	aaataaaagg	tattcattca	480
tgc						483

<210> 290

<211> 413

<212> DNA

<213> Mus musculus

<400> 290  
gagagaccta tgcattgctt atatgctggt gacattgact tatctctata ttggtatcct 60  
ggttttttgcc tcattccctt cgcctccatt acccaaagat tgtattgaac agaacttctt 120  
agacaacttc cccagcagtg acatcctgtc cttcattgca aggatattcc tgctgttcca 180  
gatgatgact gtatatccgc tcttaggcta cttggctcgt gtccagctct tgggccatat 240  
cttcggtgac atttatccta gcattttcca tgtgctgatt cttaacttag ttattgtggg 300  
agctggagtg accatggcct gtttctaccc aaacatagga gggatcataa ggtattcggg 360  
agcagcatgc ggctggctt tcgtgttcat ataccctgtc ctcatctata taa 413

<210> 291  
<211> 223  
<212> DNA  
<213> Mus musculus

<400> 291  
ccctgtttga atacccgagn tagatngact gccaaagaaga agcggctgtc tctggagcag 60  
ggaggagcag agctaggaca caacgttacc cataagcatg aaccacttcc aacgctttcc 120  
ccactccagg cagacactgg agccattaag caataactcc ccaaccttcc cctccagatc 180  
tggatgcttc taaactactt tctgtctatg atgaaaaaaaa aaa 223

<210> 292  
<211> 435  
<212> DNA  
<213> Mus musculus

<400> 292  
tcactggcct gtttgggaaca gagcagcaag gcaccagccc tgccctcagt actgcgaacc 60  
acaccagaga gctcgggtttt cctaggtgga aactaccaag tcctgttaca caagttaatg 120  
ccccatcttc taaatgggca cggtttctcc tggcacctgg aaatagtctt caagtggatg 180  
agaaaccaag tcctctgcag gaggccacca tgctagctga cctggcaca gggactgttg 240  
agaacaagac tccagtggaa ggccacttca gcagagcccc tgccattagg cctcctcaag 300  
ccattcacac taccaccca caactggaca gacctgacag gaagaccgga gagcagccaa 360  
gggacatggg gactcctcga gcagatggta ggcctttngc tcaagggacc cnagaaaggt 420  
tcaacctttg cactg 435

<210> 293  
<211> 385  
<212> DNA  
<213> Mus musculus

<400> 293  
gtccttaaag agaatggata aagtgcacaca atattgaaga agaaagaggg gttcactcaa 60  
cagagccccc agggaggcta gaaaaagctc aagcaagttt gtctttgttt ttcttcttct 120  
tctttctgac atataaaacc cactgttggt gttaacctgg gcaaagagct gtactgcaac 180  
aaagaagcgc aagctttttca gttgtctctc gaaaacaaga ccaggaaggg gccttcccaa 240  
agcatcagtc cgtagaaaaag ttactttctg ctttaaaatg gggttcattc aaagatgacc 300  
caagtacaac agtatctaca gaggtcattc ccctgcccc aattttcttt tgtacatcca 360  
agaataaaca acattaaaaa aaaaa 385

<210> 294  
<211> 299  
<212> DNA  
<213> Mus musculus

<400> 294  
gcttgaagag aaatcgggac ggctgcagac acaggagcct ttgcccacag gatctgaaca 60  
actggctaac ggaagcaacc ccacggcagc agaagataaa cacaccagga gtccacaatg 120  
agctggagga gactctttca gaaagaaacc aacattccct ggctcaccgg aactcctgat 180

ggcaaaaactg	acctatcaca	atgggtcacct	gtttatccag	aacccctgac	tagcggcttt	240
ggccttagcg	atactttcat	tctgcgtgga	tctgcttttg	tggagtggga	agggtaatg	299

<210> 295  
 <211> 421  
 <212> DNA  
 <213> Mus musculus

<400> 295						
gagatttcca	gaaatatnnt	gactcacgag	aacgtaacag	aaaacctgga	gagtccagtg	60
ctaaagtcca	aactggagga	gctacctgaa	gccccacta	caaattgggtc	aacaaagaca	120
catctgaaga	tgcgagtga	ggcgagaccc	cctggacaga	tcaggggaat	ggtgcataca	180
gatgagatgt	aagccaatca	cacaagacac	cacacaggct	tccctatcac	cttttatcat	240
gtggcagggc	acctcaaagt	cttgtcatac	atttnggatt	tcattttcttc	tttgtggtaa	300
ggtcaaaggg	aaacaagttt	taacttggaa	ataaacttcc	tagctcaa	tctaangcna	360
ganatacatt	agngantnca	tttcttcttt	gtggtaaggt	caaagggaaa	caagttttaa	420
c						421

<210> 296  
 <211> 246  
 <212> DNA  
 <213> Mus musculus

<400> 296						
gacaagatcc	tgaccatcan	cgagagacct	gganggagggc	acgnnnacn	catcagcttn	60
nagaccgaag	ggtgacacag	cgccentanc	atnatgccc	natgacatta	tntttnttgc	120
aaaggataan	ctgtacccta	cnttccatan	ngagcatgac	annttcntnt	tcgcgtacnc	180
cattnctttg	ggcagggacc	ttacctgctg	cactgtggag	gagaatactc	ttgttgaccg	240
gatgct						246

<210> 297  
 <211> 346  
 <212> DNA  
 <213> Mus musculus

<400> 297						
gctctcttcc	tcaggccgng	agacctaccc	ggggaggcct	ttctttcaca	cccagcccag	60
gagcagcccc	ggcttgatcc	cccagacctcc	agctgtctcag	cctgtgcacg	gcaggataga	120
ctggctcttcc	aagtacccat	cccggcggtg	actgtcccgg	ccacgggccc	tgctcctcag	180
ctggctccat	tgtaccgcga	caaccacgag	gcggtgtaaa	acaaccaca	cttacagctg	240
ttctgaacta	atacatttca	atatttcttt	taaatttttt	ttaaaacatt	gatttgaatg	300
caataccctc	tttttgnata	aaattatttt	attctaaaaa	aaaaaa		346

<210> 298  
 <211> 206  
 <212> DNA  
 <213> Mus musculus

<400> 298						
tgggtctccg	aggaatctca	ggccgtcagc	taccatcatg	tatacagatg	ttccatgagg	60
aggtttgctt	ggatcccacg	gcccagcatt	cctgttcagc	ctcattctcc	ctctgatcca	120
gcatcgtttc	tgagacctgt	ctcccagggtg	gcattttctct	tctnttctgn	cttggnttcc	180
gaccttaag	taaccaagtg	actaat				206

<210> 299  
 <211> 404  
 <212> DNA  
 <213> Mus musculus

<400> 299  
atattttgccc cctgcctctg ggaggacgtc ttgatggccg ccaggctgtg cttgtcagat 60  
gctgaggaag cactgtttggg ggcccctggg ctcagaagtt ttgtcagcct gacttctcga 120  
gagataccac cagaagaact atgtctacct tgggtgtttct cccanaatga atgctgcgtc 180  
ccccagttcc aggccgtgca ctttcctttg aacatccgtc tgcatacctac atccctgccc 240  
ctctgcccac atgccgctcc ttcctgttta gcttggatag caggctggct ctggccatca 300  
gaaccattgc tgaccttggc tgtcttcacc tgctgggcag acacaaagtg aggccaacat 360  
ctggacccag aggagaaatt agaggccatt tgtggaagca ctca 404

<210> 300  
<211> 232  
<212> DNA  
<213> Mus musculus

<400> 300  
ggccaaggaa tatgccatga aagccctcag cctagctgag acatacgtca gtgaggagga 60  
acaaagggtt attcaagagt tgctgagtgt catctcagcc gaggagaagc agccctagag 120  
agcgcctgcc tcgctgggtgc tgccaggggt gggggagggg gagtgccatt atgctgactg 180  
ggcatcctct gtactgtttg tgaagtcnat agtaaaatcc tgtttcaatt tt 232

<210> 301  
<211> 477  
<212> DNA  
<213> Mus musculus

<400> 301  
agacaaacta tgctatatgt tctcttctgc gcactgaaag cacttntgac agacagcctt 60  
tgagcagagc tccagctccc tgcccacaga tacctaaact gactcgggtga cattccttcc 120  
tcattaatct cctccatca attgggaaaa gaagtcagca ggatgaaact tcgaaacttt 180  
tctagtnttt tctacctctt tctctcccc tttggaaagc ctgctggaat ttcgactggg 240  
atgttttcca ggctcctggc tgtagagacc tcagctcgtt aaaaccacag ttgtttgtgt 300  
gctgccgccc acaggaggct acaatgatga aaaccacaga tggcctgctt tcattccctc 360  
acccttgagg aatccngaga ccagcagaag gatgtgccag ggggcacatc tagcttccca 420  
accttntggc ttcattttta aggagaagat gaaanancct ggtaaatgct tcctggc 477

<210> 302  
<211> 196  
<212> DNA  
<213> Mus musculus

<400> 302  
ggtgacttag agcctataga agatggattc aatcttcata agcatgaatg ttggccagcc 60  
ccagaaattt tcttctgaat ccacagagca tgtgcttggc tacttccttg cccagaata 120  
gcattcttag aagacaaaga ttacataatg tggtgacaat gtctaaaata aactatcctc 180  
agcatcaaaa aaaaaa 196

<210> 303  
<211> 339  
<212> DNA  
<213> Mus musculus

<400> 303  
cttctgccag ctgagcncgc tgggaatggc angaattntc tnncatcact cgcctttgnt 60  
acagntctcc ggggctttgg ggcccttttg cttctgcct tgactctccc tggccttgac 120  
tgnggctgct ctgcattcct gggcagggt ggagcttcta attgggagct ggcacctgag 180  
gcctatctgc naactggcca cagactagct ttgtccccg ctgcctctga ctctccaggg 240  
atagatcatt ctctgaaaac tcactctgca ggatccgtct tccaagatcc gtctccaaga 300  
tccggaacct gaagccagaa tgtctggcag ggctaactt 339

<210> 304  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 304  
 gagatgcctg ccttctctgtg ccgaggacac agagataaaa attcacgaaa gaactcactc 60  
 cccactcctg ccttgtaaat ttcaccaagg acacccggaa gagaagaact ctttccaact 120  
 cctcccaact ctttcaactc ttcagctagc tgttaaaagc cccctactgt caccgcttgg 180  
 gggtcgaact cccctgccct gcatggcgga gggacttcgt cctcagctag ctgataataa 240  
 aacctcttgc agtttgaaaa aaaaaaa 267

<210> 305  
 <211> 385  
 <212> DNA  
 <213> Mus musculus

<400> 305  
 gtttccttca atgccgtatg ttcctgcctc catggcttct caggaactct catgcacaac 60  
 ctaggnccgac taccactact acngttacca ccaacancac taccacgatt acaagcggnt 120  
 tcaacctgna tgtgagacca cctgcatcac cttggctgaa taacactggc ttgatcaatg 180  
 tggcttctat gccttctacc atgactgtga actcaatagt aactcctgtg atgacatatg 240  
 gacctctgga gagtatggcn aacaattggn actatcagct acaagaacnn gnntaacact 300  
 atttttatca ggccaaccaa ttcaaattctt tgggaaccan gccctgattt gantctngna 360  
 atgagatttg ctccctttagt atcca 385

<210> 306  
 <211> 274  
 <212> DNA  
 <213> Mus musculus

<400> 306  
 gattaatgtg cagctgtcct cctgggtgga agagattcct ctgagcttgg atgtgtactc 60  
 acaaagggac attgaccaag aagctcttca acaaatccat ttatataagg ttctctagca 120  
 ccaaagcaac ctagtgtac ctttaacccat atgctttgta tattcccttg caaacatgac 180  
 cgtgtgccag taactagtct tgtgtgacta tgcatatgca gtagtcgtat gtggatataa 240  
 ataaactatg ataagataac taaaatataa aaaa 274

<210> 307  
 <211> 287  
 <212> DNA  
 <213> Mus musculus

<400> 307  
 ctggagaact atgaggctgc angaatgtaa caacgtcccc agagttgctg ngaccttgtc 60  
 cctccatcta ccggacaatg aagtacagtg gtccaggcta gccaccttc ctgggctgtc 120  
 tcatggggac ttggatgang caccagatc ccagcaatca agataacngt tcaaggactt 180  
 tgggaataga gacaaaagca ttaagaagtt caaggatagc cttggctaca tgtttaaccg 240  
 gggctacttg ggactctgcc tcaaacaaaa caacaaaaca aaacaaa 287

<210> 308  
 <211> 299  
 <212> DNA  
 <213> Mus musculus

<400> 308  
 atgctgtcct cataaatttn atggnaggc cnaggaggaa ctacttaaca tcttctggct 60  
 gacaagagct nacggtgatg anaatgcttt ttctgtgatc cactacgtcc taciaacgtg 120

agattnanag	ctagcaagag	ggctgacaac	ctgagttcaa	gccctgggac	tcacatggng	180
gaaagagaga	gcgaacttnt	ggnacctatc	ttntgagatc	ccccgtgcat	gctgagacac	240
agtcctctcc	cctttcccca	gataatantt	gagatattaa	aaatttataa	aagcaaaaa	299

<210> 309  
 <211> 146  
 <212> DNA  
 <213> Mus musculus

<400> 309						
gggccctgtg	atgcatatct	tctttattac	cttcagttga	agatgtctgc	aaacccttgg	60
aatgcgccct	aagttttaga	agtctgctgt	tatctcagaa	gcaattaagc	agtcccat	120
taaaaggtct	ttgcacaaaa	aaaaaa				146

<210> 310  
 <211> 512  
 <212> DNA  
 <213> Mus musculus

<400> 310						
tttgaagacc	tttctaactc	cagcggggcc	tgtgactaac	cagtgcagg	caaatacaac	60
cctcaaacia	gtcatagaga	gattttaccc	gaaaagggtac	cgagaagggt	gctctgagga	120
gcagctaagg	cagctctacc	agcngactct	caaccaaata	gatggccctc	cggggacaca	180
gtgcggctga	ctgcattcga	atttacttga	cagtagccag	gaagtggcgg	ttctttggcg	240
ccaagttggt	ccttgcaaaa	ccaatagcac	catcatcact	tggcaataat	tgcgtgtggc	300
tggctgtcca	tgaaaatggg	ttgagcatcc	tagaatacac	ctncatgaga	ttagtgacca	360
gctatatgta	caaagggtct	atgacctttg	ggggctatca	agaggatttc	atggtagtgc	420
ttagtacaca	gtcaaaaagac	cggccaacag	agaagttact	ttttgcgatg	gcnaaacaca	480
atgatttttg	anataccct	tctgatcgcc	ag			512

<210> 311  
 <211> 456  
 <212> DNA  
 <213> Mus musculus

<400> 311						
gtccttggat	tacactggct	gctctcctga	ggtaaacttg	cggagtctat	aattaaatag	60
aaaaaagcat	gtcagcaagt	tcacaaggct	aatgctacag	tacaagatgg	agtcaggatc	120
acagaatgac	atcactacta	tcattcttcat	ctcatgaagt	atgaacaaat	cagtagagac	180
cctattgtca	aagtccagtt	ttgacatgac	tcggctctgaa	gtctgaagta	ggtgtgggat	240
cagcagaaca	tggacacagg	aatcttcttg	atagttcagt	caagttctct	cttctttatt	300
tccccccaac	ccccagctta	tgttcctcag	caaactctca	attacagtgt	ggctatatcc	360
tattttttctt	taagtgaatg	attacaatga	atttcctaata	accttttatgt	gattaaatgt	420
tttacctatt	acaggtgaaa	aaatttcctaa	gaaccc			456

<210> 312  
 <211> 252  
 <212> DNA  
 <213> Mus musculus

<400> 312						
agctctcagc	ctgacctgaa	catctgaggt	tgctctgacc	cgatgccgtc	tgccccctctg	60
atactcagct	tctggatcat	gaacctcgaa	actttttttt	agagggtctgc	cccaccact	120
gctctctctc	ctccccgcct	cacaccaccc	tcctccctc	tccatagtga	gttagaagaa	180
tctaaaggga	ttggctgcgt	tctctgattc	tgtggaactt	cttataaaat	cattgctcta	240
caagaaaaaa	aa					252

<210> 313



<211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 313

gttgaagatg	gctcccagac	cctggacagc	aaggaaacag	caactctcct	acatctggac	60
caacatctcc	atgcccattt	tcttaggttt	cccagagaca	cagcgctcca	aagtcagcag	120
gaaacaacta	aagatcacta	tgcccctaata	cctgcttcac	catcatctct	agtttttctt	180
ttttttttta	aa					192

<210> 314  
 <211> 318  
 <212> DNA  
 <213> Mus musculus

<400> 314

gacagcgcct	gactgagatg	gaatgtttct	aggaccagct	gagggatagc	ctccaaagcc	60
tgcaacttct	ttcaaaaaca	ccaggatctc	ggagccagcc	cctgcctctc	aaagcaccat	120
gtgtcaatgg	agctgatctg	tcaatgggca	cttgagcatt	tcaccccact	ccatatatgg	180
tctggaagcc	aagagagcca	ctacagagga	ttttctgact	gcctcagccc	ttcatggcct	240
tcagtggggg	acagagtggg	aggtgtcaat	cactctggta	actgtgaggt	tgcccagtaa	300
atccatttca	gaaaatca					318

<210> 315  
 <211> 169  
 <212> DNA  
 <213> Mus musculus

<400> 315

aggacggagt	tgtttctgatc	tcttttctggc	cagctcaacc	ctcctgatgc	agaccgtggg	60
aagtgcagct	agcatcctct	caggccccgac	ctcagcacag	gaccacactg	ctgcctccaa	120
taaaatgatc	aaaaactaca	ataaaccttt	ttttttttta	aaaaaaaaa		169

<210> 316  
 <211> 446  
 <212> DNA  
 <213> Mus musculus

<400> 316

gtgggtggaag	accaaagaag	agacgacctg	ggcccatcca	cctgcctcac	agcctgctgg	60
actgctctgt	gttgctgctg	cctctgggac	atgctcacct	gatcacctga	tgagcccagc	120
tcttccgctt	ggccgctctg	tgccacctcc	gataagtgtg	cctggcccca	tctcttctga	180
ttgctataaa	gtggctagct	ctgcgcagac	acctctactt	tctgtcctat	ggagttttag	240
attagttagg	gttactgcta	tttagttcag	tgacttgatc	tttttaaatg	tcaaaactca	300
tttcttactg	atcttttaaa	aatgtgctaa	ataatttact	tttttgacca	aaggcttagt	360
tatgaaatat	atattttata	tggttaaatt	atnccctcaa	aggnatngca	ttatgggacc	420
cactatttaa	tctctctgtc	ataccc				446

<210> 317  
 <211> 213  
 <212> DNA  
 <213> Mus musculus

<400> 317

ggagtgggtt	aagatgagga	gagccctttt	ccgcagacac	agcaggctga	tgatgttctg	60
cgaactgcc	ccgattacag	agaacaactc	tccctgaaga	ttttggagca	gcacttgagt	120
gcctcccctg	tcgtggagcc	atgatggcca	ggacaacctt	tacttctcta	taattatttc	180
aacaataaag	atgagcatte	tgaaaaaaaa	aaa			213

<210> 318  
 <211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 318  
 aggacctatg aaaagctgga gatggcggca tgcattctgga atccctgcac tctgttcatg 60  
 ggccgagaag tatagaaagg aaaatgcccc aggaagcttt acatgagaat gtaacacagc 120  
 ggcagaaatc acaagatact ttgcctcaaa tgagataaaa gatgagaact aactcctaaa 180  
 aaaaaaaaa 188

<210> 319  
 <211> 182  
 <212> DNA  
 <213> Mus musculus

<400> 319  
 aatgtgctcc caggtggacc cncatgatgg taagcttttag anagctgaca ggggnggctn 60  
 tggctnantg gcacatccca tgcttcatgg gctanattca ggggcngatc acacttggtta 120  
 cgataagagc ttacatagnt gtcttcgaaa gnnctggntg ggatggcact cggtgtgggc 180  
 gg 182

<210> 320  
 <211> 173  
 <212> DNA  
 <213> Mus musculus

<400> 320  
 atgacagctg gaggaccag ngtgtgatgc tncatctgac tgcctncact ttctcccaca 60  
 tggccngga acttttgtgc ccaactttct tcccttcctg gctccctcct cccacacca 120  
 tctgnctgcc acctcccaca tgacacctca aataaatccc ctttgggttt ttg 173

<210> 321  
 <211> 420  
 <212> DNA  
 <213> Mus musculus

<400> 321  
 agatgccgct ggagctgaac actcctcnca cactgatana tgangacgnc gtgnntgang 60  
 aggacnntca tnatgnntat gtaannatan nantntatn tatacnnaac atgccgtatc 120  
 tgatangaga atctataaca cctccatcat gacaaagaaa tggatgaaga gtcctcagaa 180  
 ctgcaggaag gatttgttga gactgtgagc acattcctct tctccaaacc tctcctggaa 240  
 tgtcctagaa ggcccaggaa ttcccccaaa gcaactgggtc ttcctatggt caaacgtcag 300  
 caacctccac caaacatgat ggaggaaagc gtgaatgttg tcaactatgac ggaagttag 360  
 ctttagtccc agttaacaaa tattggcaat aaatcaaaac aggaaaaacc ctaaaaaaaaa 420

<210> 322  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 322  
 acattggatc tcctacaatg atgaccatgc tgccanntgn tncgtgctga gagcgggctn 60  
 agtgacataa aggaccagt actgncacat ntgcattcct cctgccccgn ctgtcagnca 120  
 gtccgttnca tgggaatggg nccctgggg tgggtgcact cctaaccaga atggcctcag 180  
 acaancctgg cttctttttac ccgcttg 207

<210> 323

<211> 305  
 <212> DNA  
 <213> Mus musculus

<400> 323  
 aggagataat ttaacccttg aaaacagaca ctgtgccaaa tccacagccc aatagcggga 60  
 ccgccccctc cacagaagag gtccagccag aggctcctgg ggagccaccg gaggagcctc 120  
 ctgaactgaa gagacccagg cttgaggaac gtgaaggaga tgcccaaaac ctggcccctg 180  
 atgactcttc caagactgtc tgagcctgct atgcacctgc gtgcagagga ggcaaggcca 240  
 aagctcgaag gctgggtgatg gtggccaaat aaacactcat gaattgggtc acatagaaaa 300  
 aaaaa 305

<210> 324  
 <211> 128  
 <212> DNA  
 <213> Mus musculus

<400> 324  
 tcccctctcc tggcctgtgc tccctgcagc gtganctgct ccatcctttt caacgagcga 60  
 tncccataca atgacaagac attcctcaac ctcatggacc ttttaaatan aaatttttac 120  
 caactgaa 128

<210> 325  
 <211> 165  
 <212> DNA  
 <213> Mus musculus

<400> 325  
 ttaagatttc ccagggccag tgagatggct gaacggccag aagagcttgc tgccaggcct 60  
 ggccacctga gtttgatata tgcaactcac atcgtggaac aagaggatca acctgtgagt 120  
 ggtcttctgg ctccacgtgg gcatgcacca atacaaataa aaaaa 165

<210> 326  
 <211> 256  
 <212> DNA  
 <213> Mus musculus

<400> 326  
 gatccccaga gtaacagctt gtccttcttc aaggctcttt gcttaggaag aaagcaaaga 60  
 atagaacctg caagatggcg tattcccttc caatcctggc ggcttgagtt tgatcccaag 120  
 atccacacgg tagagggata gaactgactc ctgcatgttg gcctctgacg tccatacata 180  
 ttccttagca tgtgtgtatc tctcctctct cgaaaaataa taagaaaatg caataaaata 240  
 gagaaagaga gagaga 256

<210> 327  
 <211> 279  
 <212> DNA  
 <213> Mus musculus

<400> 327  
 accacggaag cactgaagca ctncacttga anatagnctc anacccatgc cananngnct 60  
 tgaagcatcn nttcngnggn anactcagct ggnggggtgac aggatgcnac taccagccc 120  
 tggctggggc cgtctctant gcggtcangg atctattggc tagaagagtg atgactnnat 180  
 ctacaggaca antctagcaa cactgnctaa natattctac tgaattncaa agtgctctga 240  
 aatttttaaat aaaactttga taatcctcaa aaaaaaaaa 279

<210> 328  
 <211> 492

<212> DNA  
<213> Mus musculus

<400> 328

ggcagccctg	aagctgttga	agacagtgtc	gcancctncc	cttgggagtt	tggnttgcca	60
gactgctctg	ctcttccacc	tnaacagccc	agggggccagc	tgtggaccct	ggcacatgtc	120
atganagggg	cagtttttgc	aagcctatgt	ctacaacagt	tatttggggg	tgtggtcacc	180
actgncacat	tcactgtgat	gangcactgt	agccagctag	cacccaagag	ccctgcaggc	240
tacacattac	agcttcctgg	ccactctgga	actgttgggc	aagctgntcc	caggtaccct	300
agccggcgtg	ctggccgaca	gcctaggccc	acatctctgc	tttgctgtct	tccttgtact	360
ctcagccctg	cctgttctgg	atctccgcct	ggcaccagc	aacctgacct	gagctggatg	420
ttgggttagg	ctgtctataa	agccaataaa	gctatgtatg	gcctggatgt	ctgggacaca	480
ggaaatgcag	ct					492

<210> 329  
<211> 178  
<212> DNA  
<213> Mus musculus

<400> 329

gcttaatgag	gagctccacc	ggcgtctctc	agtgttaggt	aaaacagcaa	ttattacact	60
ttgtgtgtga	attttcatct	ttgtgctttc	taggtgatat	gctgagttaa	tgtttctgtt	120
acttgggaaca	gtccagtagc	cttcagaata	aataaaactt	acttatgtga	taaaactt	178

<210> 330  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 330

gagacctatg	agcgcgtaag	caagaggctg	gcttgagcta	ccannngctgg	gcttggaggg	60
gctacgaccc	accaataaaa	gtgtttcatg	gatcaccaaa	aaaaaaa		107

<210> 331  
<211> 415  
<212> DNA  
<213> Mus musculus

<400> 331

ggttttacct	gctgccactc	agagcaatga	cccgatgcc	atccaggaca	tacctggctt	60
cctgattcta	cttggagttg	gacatctgac	actaaccagt	tgcactggac	aagaccctct	120
ctcagagaac	tcaaaacata	cctcgggacg	tcattcattc	attcaatcat	gccttctgta	180
atacggctat	cagaagaagg	aaaatgaaga	caagaaaaac	aactgtgatg	tgggcagcag	240
gtacctgggg	gtggagggtc	ttattgcctc	tccaggggtg	ctgcctgaga	caaagatcct	300
cagtcaaggt	acagaccctt	gaaatacagc	tagaaaagtg	ttctgaattg	ggctgncttt	360
tttaaaaaga	caaattacaa	cgtcaataaa	ggaaataagt	ggttaaaaaa	aaaaa	415

<210> 332  
<211> 413  
<212> DNA  
<213> Mus musculus

<400> 332

gagagtagca	ccgtcctgtt	caggactcct	gcctcagtag	ctccagactt	catgttggga	60
agatatactg	ggcacctgga	tttcacagat	tggaaatata	agtctgacaa	cactcaagag	120
caggagtgtg	gttatttctg	ctgagccttg	caaaagtaaa	catactacct	tcaacttaga	180
ctccttgggt	agtggactat	gaaaagccac	atgtacaaac	cattactatc	catgtgacat	240
ctcaagatct	cttgctggac	atatatgaaa	tcctctagga	ttctacgtac	ccaggtacaa	300

tgtcagttct cttgagctgt gcttctctaa gctgcagagc catgttagtt gccatggata	360
cactgcgata tctgctctag gactaatttc acacagacca agatgccagc tga	413

<210> 333  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 333						
cctcgcacac	tctcattata	gcagatcccc	atactagaat	ngcctnaaaa	ngcacaaaaat	60
nganatggcc	aatngacagg	ataanncana	nggaactggc	tcatatgatc	aactgggcaa	120
agagagtgcc	aggtaaggat	gctaaactca	acttctatgt	taagagtga	taactttcaa	180
cagtcagctg	tggtactgtg	gggggaaagt	agtagtgtgc	tatgggatta	gggagatgg	239

<210> 334  
 <211> 422  
 <212> DNA  
 <213> Mus musculus

<400> 334						
ctctttgtgt	tcaagtentn	tctgcgccac	ccaccggaga	atgggaagcc	gaacatactg	60
aactggtacg	taacacantt	ccacccgnct	cacattgnaa	tccaaatgct	gaagaacggg	120
aaaaaaattc	ctaaagtaga	gatgtcagat	atgtccttca	gcaaggactg	gtctttctat	180
atcctggctc	acactgaatt	cacccccact	gagactgata	catacgcctg	cagagttaag	240
catgacagta	tggccgagcc	caagaccgtc	tactgggatc	gagacatgtg	atcaagcatc	300
atgatgctct	gaagattcat	ttgaacctgc	ttaattacaa	atccagnttc	taatatgcta	360
tacaatttat	gcacgcagaa	agaaatagca	atgtacacat	caccttcttt	atatcttact	420
tt						422

<210> 335  
 <211> 311  
 <212> DNA  
 <213> Mus musculus

<400> 335						
ctaaggttgt	gggtggcaga	gagaatgnca	ctcgataacc	tccctccctc	tcctggaagt	60
ggtgaccaga	cattgccgga	tcatgcgcct	ttctaagcct	gtcctagctt	gccagccaca	120
gagtacagaa	gcacacgctc	atcatcacag	ctgcaactct	gcatgacaga	gccaccagcc	180
agagacagtg	aagagctggc	tttgaagaca	gtcataccca	tgttcatgca	gatgtggctg	240
ccttggcatg	aattagagaa	cagtcttgta	cataaatgtt	ttacactaaa	gttcgtagat	300
gaagcagaaa	a					311

<210> 336  
 <211> 140  
 <212> DNA  
 <213> Mus musculus

<400> 336						
gtcgtattac	caggacatgt	atgtggccaa	gcaaaacaga	atcttcaaca	gaagagatgt	60
gtgagaatac	aaatattttc	aaaatatgtt	caaaaacagt	tgaaataaat	tctacaatgt	120
caggacgatt	aaaaaaaaaa					140

<210> 337  
 <211> 406  
 <212> DNA  
 <213> Mus musculus

<400> 337

ttgcaccaca	tttatgatct	gatgncgaac	acngantatc	ancggtcate	accatcatgt	60
ctataatcct	gtggtacgta	agtgagacct	gcctgaactg	taccactctt	caggactctt	120
gtctacagac	acgcttcana	ccaaagctga	aacctctgtc	atcgagata	caaggattct	180
cccttgtgat	ggatggcagc	cacggagacg	taacagtttt	taattaatgg	aaaccacaga	240
aaggaggaaa	tgatcatgga	ggctgtttga	gatctaggga	tcccacaagg	gaatcccaca	300
ggtcttgctt	tagntgtcct	gtcccttgct	ccttccctca	gtagattatc	tgtggtaaat	360
agccaggaag	aaactgacaa	gnaattctac	tgtgctcgtg	gagaca		406

<210> 338  
 <211> 387  
 <212> DNA  
 <213> Mus musculus

<400> 338

ggcaatggac	tccaggaagc	tgctgctcca	ccgcccatac	tgctgcccctc	tgtgcatccg	60
tcctcatccc	aggcctgctc	ctccacctgg	ctcagcgagg	cagagatgat	cgcccttgct	120
ggtctgctgc	agatgagcca	gggagagcag	acacccaact	gcgtggcaag	ctctctgcct	180
tccaccagct	gcccagaccc	tgtctctgtc	tctgaagacc	caggctcccag	tggtgaccag	240
agctgttctg	ggactgacac	atgaaccaca	tagtacccca	ataaccacag	tccatagtgt	300
accctgcccc	ccactcctcc	acgggtgctt	tcttctcccc	caagctgttt	tggtgacaat	360
aaatcagagt	ttgcaaacca	aaaaaaaa				387

<210> 339  
 <211> 444  
 <212> DNA  
 <213> Mus musculus

<400> 339

ggatctcaca	gttctcagga	cagtgggttga	cccgtcnagt	gttattaact	catttcacag	60
agganggaan	gaanncanga	cttaaganan	naagaggagg	cccaagggtca	gggggcagac	120
ctaggagaca	gaanatgttc	aaccacagccc	taggggttcaa	aggtgtgggc	gatggaacag	180
aagtaatcgg	catcatcctc	cgggagcacg	gggctgatgg	tgaggatata	ggcgttgttg	240
gctgcatcca	cggtagctga	naatctgtcg	gggatgtcag	cgggccgata	gtgttcctct	300
tctgcgtaat	agtagagaag	atggggagca	cttcctggct	gctgctggta	ccacgacacc	360
ccaatatctc	cagcgggtgg	atgctgggaa	ttgatgggtgc	anctgagatg	agcgtcttgg	420
cctgggaaga	ctgagaacgc	gtta				444

<210> 340  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 340

gaacctgtct	ctctcctggc	tatgagacgg	aaatgtagaa	ttctacacat	ctacggtgta	60
ccaataaaat	gcttatgtcc	atttccacca	taaaaaaaaa	a		101

<210> 341  
 <211> 385  
 <212> DNA  
 <213> Mus musculus

<400> 341

gaaaagaaat	gtaaancnaa	gccatacatc	aggctnctgg	tangaagatg	gcacnngcan	60
taagctgacg	gtgatctgta	ggaatcatct	tgtggcaagg	gcactagggc	tgagtcctag	120
tgagtgggtcc	tccatcctcg	agcatgccag	ggggccgggg	agagtggcct	tgcagtttac	180
agggctagga	ggccaaacag	agtctgcaag	caaaacccat	gagcccttga	ccctgctcct	240
ccggacactt	tgtaccagcc	cctttgtcct	ccgaccggtt	aagctttctt	ttgcacttga	300
aaggagaccc	actgatattt	tcccacgaga	accgtcccgg	ctgcagcagt	tccagtgtgg	360

agagctccct ctgctgacca gagtg

385

<210> 342

<211> 140

<212> DNA

<213> Mus musculus

<400> 342

atacttgtat	tatcatattc	nttnnnnttat	actgggaact	gccnnnaaag	ggatgtncctt	60
tatgtgacaa	acttccagca	aacttgtatt	ttcatattcc	ttatatattca	ctgggaactg	120
ccaataaagt	ttgtacttca					140

<210> 343

<211> 439

<212> DNA

<213> Mus musculus

<400> 343

cccgttactt	ttggaccatc	atcccancnn	gaaggatgga	tggatccgtc	ttgcctgaan	60
cttgacgcct	cacagagtct	acaggtcaga	atatgagtac	aaanaggctg	ngtgtgaaag	120
nataacaaca	taaaaacaga	attctaggcc	tttaggccca	ggcttggaaa	tgnngccttt	180
gtaaagggtat	gctaatacata	aaacagatag	caacattnct	ccacccaccc	gcttcctggg	240
ttcaaagagn	gctcattcaa	agaaagtcac	ccagaacctg	caatgcaaata	gtgctattgt	300
tagggactct	taaaagctgt	cttgagagtt	aacaattacc	aggtnattcc	ttgngactct	360
tgtaacttta	cacttccttg	ngactcttaa	ctggtnatct	ttggtatntt	ccaacntngc	420
cctttccact	tccttaaac					439

<210> 344

<211> 299

<212> DNA

<213> Mus musculus

<400> 344

ggttccagag	acacccacac	tgagcatgga	ggcctcccga	gatgaagagg	aaactgaact	60
ttaccggcgc	ttaggtggcc	gcagtggaga	ggcagagggtg	tgagttgctg	nctggggggt	120
cccagggctc	ctgcccacac	cctgacttct	tctaagggtca	ctcaccgctc	tcgtctgacc	180
ccatcagggtt	ctgctgtcgg	aggcgggtgac	tgctcagtga	gaacagaaca	ggagagaaga	240
aaatgagtgt	caaaggacag	cccagagtca	ataaataaac	agttagtata	taaaaaaaaa	299

<210> 345

<211> 229

<212> DNA

<213> Mus musculus

<400> 345

agctctctaa	ctgatgggga	gttatggctc	ttctggacac	agcatccact	actggaatgc	60
agaatggcca	gcatacagcag	gaaactgatt	gtcctggccc	tgaaacccca	tcacccatct	120
atcaagaatt	aagtgttggt	ctgggggtat	caggcacgtg	atagaacact	tgctctgcat	180
gtgtggggcc	ctgaaagtaa	agtgcagtga	taatgcttaa	aaaaaaaaa		229

<210> 346

<211> 301

<212> DNA

<213> Mus musculus

<400> 346

ataaaaactaa	agctaattggc	tttatgtgat	ttacccaagg	tgaaattggt	tggttgaaaca	60
cgggtccaaga	atggagtcac	atgaggagaa	ttctgagtgc	ttacttgtga	gaaaactcca	120



agaaaacggg	acaagagtct	tgtgacctca	ttttcttcaa	aaacacaaaa	ttgttcttgg	180
aatgtgtttt	catgctcttc	caagtgtagt	agataagagt	gagtttattt	aataaataac	240
aactggctat	tggtatttgn	ttatatgcct	ctatgaaata	aacgtttttg	ttgtgtgcaa	300
a						301

<210> 347  
 <211> 148  
 <212> DNA  
 <213> Mus musculus

<400> 347						
cagcttattc	tgtgcggtgg	cagcatttgg	gtgtttctac	tattgaatcg	ttgggaagtg	60
tgacttcaag	gaaccttaac	ttttttatat	tgttaaattt	cctgaccaa	taaaaacaag	120
ttggcacttt	ggtacctaaa	aaaaaaaa				148

<210> 348  
 <211> 202  
 <212> DNA  
 <213> Mus musculus

<400> 348						
ttaaagggtc	ccgggcacaa	gagaaaaaag	agagagagag	aggagagaga	gagaaagaaa	60
aaagccactg	ggcgattgaa	atggctcgcat	tgagatgcgt	ggagccggct	gcagcgcgcg	120
gactcactca	aggggtcaag	tgacggacgg	attgttcgct	ccttcataat	aatattaatt	180
aaacaatttg	catgctaaaa	aa				202

<210> 349  
 <211> 278  
 <212> DNA  
 <213> Mus musculus

<400> 349						
aggagcgcag	accctgaggt	ctatgaaggt	tgggacctgc	ggacacgaag	tagcataccc	60
tttgagagaac	cagggtaggg	ttactctcca	gatcagcaga	aggcctagag	agggaagggc	120
tagctttctt	taatggcaac	ttgaaatcca	gcccatcttt	gatactgact	atggaattaa	180
ccacctttct	ccataaaaatt	ctctagtctt	ccttggaaac	cctgcaaaaac	ctatgagtga	240
aacataaaaat	aaactcctcc	tccctttaa	aaaaaaaa			278

<210> 350  
 <211> 242  
 <212> DNA  
 <213> Mus musculus

<400> 350						
aggccctcta	cagtancnac	tcctgaacag	atcaagtttc	agggaaggctg	acctctgaca	60
aggctaagag	ccacacccag	aagaccagca	cccacacctc	agctgcctgt	gcctttctgg	120
agttatagct	gccccgagtc	gaagtcctag	gagatgagcc	ccctgtctgt	ctgcactgat	180
ggattctaaa	ttttgttttt	gtttgttttt	aatttaaagt	gagttttata	tacaaaaaaa	240
aa						242

<210> 351  
 <211> 397  
 <212> DNA  
 <213> Mus musculus

<400> 351						
tcgcctgccg	cccacccgca	ccctatttgn	gcttgaggtg	atggacntga	anacaccgga	60
ccggcgactc	ctcatcctgg	gactctgnta	ttcggctgtc	tccgagctgc	tcccgcact	120

cctggggtgg	gcgcaggaga	ctcccgtca	gaacaagaac	aagtgagtct	gcttggtgac	180
tgccctgtgc	catgggcact	ggctttacac	cccaacggcg	tgcacacgag	tgtgccctct	240
gcacaccaag	ctctgtggac	acgagtgcag	ctcctgtctt	gcctgatgcg	gtatctgaca	300
acccagtgcc	ctatcgctgt	cganaacctn	gaacnnnttt	ccattcngga	aagtgggtca	360
gccatccanc	aacagttcca	gcacgcttc	ccacggc			397

<210> 352  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 352						
tcctgtttcc	ccgtggcatc	aaatcacatt	ctgcctgctg	ataggactct	tgtttgcaat	60
agacacagtg	ctgtatttct	ctgtgcggag	gggtcttcaa	agtcctgtgg	ctgactatga	120
ggaacccaag	attcaatgga	gcaaggaacc	tcaggacaag	tgagctctta	tcgcatgcga	180
tgataagagc	aatgggtgtg	aacccatgag	cctccctggg	agcttgcaac	ctcaccagct	240
gcatttgtca	ccatgctttg	agcagcagaa	ataatacaaa	ggcccccttc	ccaactgaaa	300
aaag						304

<210> 353  
 <211> 311  
 <212> DNA  
 <213> Mus musculus

<400> 353						
aggagagaag	agtgtctgct	ggcagatggg	actccctgcg	gcagtagttc	cagccagaaa	60
gtgccaatca	tttattagaa	gggtcggggc	aggaactaga	actaaatttg	cttctcagtc	120
ccaaacctga	gggagagact	cttcaggata	gagacatcaa	ggaatagacc	ttcaaaaacta	180
ggaccggggt	tcattcttca	ggaggaatgg	gaccactgag	caagaagagg	caacagcctt	240
ccctgtgaca	gcttggttca	ctcgctttga	tcactttggg	tgagtgcctg	ccaaaagaag	300
atgtttgtca	t					311

<210> 354  
 <211> 361  
 <212> DNA  
 <213> Mus musculus

<400> 354						
gtaacgcttg	ccacagtgc	gaagttnntt	caacctgnca	ggcagaggaa	gcctttttgat	60
gacgcaaaat	gtgttgagtc	agcaaagaag	atthttcagtt	aattcaggca	actataagta	120
catagccccc	acaaagccaa	ccttctaaaa	ttttgcatca	cattgaagtg	ttttgactaa	180
gtgttgaccc	tacttagaaa	gctaacaagt	tttctaaggc	gtctgtgtca	attcaggtag	240
acatgactga	cgaggaacgg	ccggatgctc	tctagtgtga	gttaaaattg	aaatcatgat	300
cacttcctcg	gatattttct	tactgttcaa	taaaacaaaa	caagcttctt	aaaaaaaaaa	360
a						361

<210> 355  
 <211> 293  
 <212> DNA  
 <213> Mus musculus

<400> 355						
ggggcaggaa	attgacagaa	cgttttgcctt	agcacaatct	gctgtatgaa	acacgaacgt	60
ggaaagcagt	gcctgtaaac	ccagaactca	ggagagtcag	aggttcaagg	tcattctcag	120
ctacacagtg	agtctggggc	cggcctgagc	aacatgagaa	ctgtttttctt	ttctatatgt	180
tcacaccaag	cttctatgcg	cccttggggac	ctccgcctta	gctacatcaa	gctgtgacgc	240
actcaaagga	accgttatcc	tatcaatccc	taccatgctc	aataaaaaaa	taa	293

<210> 356  
 <211> 364  
 <212> DNA  
 <213> Mus musculus

<400> 356  
 ggatgattct gacagctaac tagctttctg tgacgggtga gccggggagg aggccggtag 60  
 ctatcttctg tcatgctgaa aaactgggat ggtgccttct tcaactactt ggtttgcac 120  
 aagatccaca gagacctctg aactcttcca gaagctcttt ctgaaggggtg cccctccacg 180  
 tgtaggtct tcctcctggg cgctgcctg agcgtgctcc tgcacagggt ggggtgggac 240  
 gctgaccgct ggggctgact tccactgac tcgacttaga atctgtgctt gggatgattg 300  
 ggtgttggga catgtgttca aatgtggcaa agcaaaggcc aaagaagaaa gagattatta 360  
 taaa 364

<210> 357  
 <211> 641  
 <212> DNA  
 <213> Mus musculus

<400> 357  
 ccgatttata cactaacatc ttccanattc tgaaacctga tgccatcaca tactttgggc 60  
 tgagaaaaga aaatcaaaca tttgtttgat gcagcctccc tccctcagcc ttcnancagg 120  
 ctgatccana ctttgacctt gctgccgcta anaagcgatt acctagggta gagccttctg 180  
 accttgatgg ctctatttgc tcttctcctt gactctgctt ccagctgaaa ggtccctgac 240  
 acagtccaaa gacacaccct gtagatcgcc taagggtggt ctccagggtac caanaaatgg 300  
 gttggcaggg gatgggcctt ccccttata agcacactct cttataataac tcgggggcct 360  
 tgaaccgaac aaataatnct naanantttt ttcccanttt ttnatnatnt cccttccent 420  
 tccccctttt tcctenttgt tccttctnn tcttctctn ctcttctcn tnnctcccc 480  
 ttcttnttgc tccccctttn nntatttttn ntncatcnen cntttctnt tntntctcc 540  
 ncnctanncg cccctntnt cttaatcttt cnetcacccc attttntnt ncatctngtt 600  
 ttcgcacnt ttccttaggt tnaccagttt ttcctcgtag g 641

<210> 358  
 <211> 280  
 <212> DNA  
 <213> Mus musculus

<400> 358  
 gggtagtaaa aaggcagaga ctgctggcag gaggnccctgg naagagagac ctnaagaggg 60  
 agatntggcc taccacaatt ngganaggaa gagagatcac tttacgcat gatcatatca 120  
 tccacctcat aagtatccat aaaactcttc tacagtccac agtgcagaac tccctggacg 180  
 acttcctgcc ttgggggcagc cgactgccat ccaacttttg agtatctgcn ttgcttagct 240  
 ttgctaaata aatttctgct tatattgaat ataaaaaaaa 280

<210> 359  
 <211> 265  
 <212> DNA  
 <213> Mus musculus

<400> 359  
 ggtatgggaa gagagccgag gaggagaaca cagggtggact tcctggagtg cagctctccc 60  
 cctgcaccag cccccagtt ggcttgattc cctgctctgc gccctggagc tgaaggcagg 120  
 gagctctgnc naanggactt gcagcctnnc ttgtnttcag cccgtggntg aaagaaanta 180  
 caggncagc tcttntntnt gcaggcttgn aacaacctgc tnncttgcaa actaaataaa 240  
 gcaaattana atcataaaaa aaaaa 265

<210> 360  
 <211> 349

<212> DNA

<213> Mus musculus

<400> 360

atgaggaagc	ctgaacgtca	acactctgcg	cggagacttc	ggctctgcag	ccttccttcc	60
acggtggtgg	gcatcttgcc	aatttgcagg	accaagaaag	aagcccagct	gctctcagag	120
gacccgaact	tcaattttta	acccacctcc	tctcattgtg	tccggccttc	tgggcttaca	180
gcatttcaat	aggagcgggg	tgggggtggg	tggggtagct	ctccaatggc	tgaccgcact	240
cttaagagat	gatttaattt	ccttatcctt	gntntctcan	aacngngtnt	ncntnagnta	300
nagggntcaa	cancnttgcg	nacttttnaag	ctgaataaaa	ccccttttc		349

<210> 361

<211> 273

<212> DNA

<213> Mus musculus

<400> 361

acacatcttg	atttctggt	aaacaaactg	agaggcacgg	tggagcactt	ggtgcgccgg	60
taaccgagag	agctcacgtg	accacaccgc	gccagcatgc	aaacatggtc	cttatgtcgn	120
cagagaaaat	ggtgaatgga	attcctgcca	cacagacgta	tgtcaagaca	aaactattat	180
ttcaactatt	tcaaaagtgt	atgcacgact	gtgttaggtc	ccacaacagt	tcacatttaa	240
acaaataaaa	cggtgaagag	aaacagaaaa	aaa			273

<210> 362

<211> 238

<212> DNA

<213> Mus musculus

<400> 362

gtgggcgccc	caattccagt	gcagcgaagc	ccgaggccca	gccaggaaca	ggtggaccag	60
ttgcacgagt	tatatgtaga	gcatctcaca	cggctgtttg	aagaacacaa	gatgcactac	120
gggatccctg	ctcatcaaca	ccttgctcctg	atgtccatgt	ccctgtgtcc	tggccttcct	180
gaaaaactgc	agggtgggat	tggggacatg	attaaagggtg	gaagcagaca	aaaaaaaa	238

<210> 363

<211> 184

<212> DNA

<213> Mus musculus

<400> 363

ggacgcgttc	tgcctcccac	gcctgggggt	gggggctatg	gagacccgga	ggacccanca	60
ccnccancag	gctcgccccc	gctatatcca	gncttcccag	agcgaggcag	ngtgnatgag	120
taccgcncn	cccaggaagc	annatgagtg	ccccacant	anagatcctt	tgagtcgcaa	180
aaaa						184

<210> 364

<211> 109

<212> DNA

<213> Mus musculus

<400> 364

tgtgacctat	gagcgcagta	agcaatgagg	ctggcttgag	ctaccaggct	gggcttgag	60
gggctacgac	ccaccaataa	aagtgtttca	tggatcacca	aaaaaaaa		109

<210> 365

<211> 155

<212> DNA

<213> Mus musculus

<400> 365  
gaagataacc cccagtgcc a tcacacagag gaaatgacca caatgaattg ttacattatg 60  
cctgggtcttt ctcccaagag accatcagct ccggggtagt aaactagggtg ctctccatta 120  
ataaatctga tgatgcgatg ctgtaaaaaa aaaaa 155

<210> 366  
<211> 287  
<212> DNA  
<213> Mus musculus

<400> 366  
gacaaaaaag aagacctgac gtcacacctga gcaccencgc catgcanagn gtgttcgcag 60  
actgccaacg ggctggctcc ggccagcaga agtgaacaga ggtggagggtt cancctgaca 120  
gcttctcccc aaagccatgg agagaaaacc ttaccacccc caccgcccag ctacttccag 180  
caagttgtcc agcctgaccc ctctatttcc cctgtttgtct cttatctggg tccctgagac 240  
ccacccccatc tccaataaag aacattgcat actgtgaaaa aaaaaaa 287

<210> 367  
<211> 114  
<212> DNA  
<213> Mus musculus

<400> 367  
catatgcctt gcacacctgac cccacgttct catggatgga ggtcccatat cacaggagct 60  
tctttccctt tgctcngatc tccaattnaa gcctttggga cttgaggatg gaga 114

<210> 368  
<211> 299  
<212> DNA  
<213> Mus musculus

<400> 368  
gacgtgagct gtcaacgctg agcttccagc tgcnnncngcc nttnnagntc gngncccntg 60  
acatcntgga ccctaaccct ntgaaaccgn anccncanna taaactntnt nttcttctnn 120  
tganggaagg aaaacatgaa ccanggtggc tttaccaacc acangtnttt gtgacatcat 180  
aaagttagaa taattgggat aaagctttta tcattatcaa ttggttctga aattactgta 240  
ttggcatctt gtaaattgag actttattga tacataaatc tgattgggta attataaaa 299

<210> 369  
<211> 408  
<212> DNA  
<213> Mus musculus

<400> 369  
ccgaagtccc agcttgaatc gaaagaaaat cagaagtttg atgtctttaa agccatatcc 60  
ttcaagagac agatagtggc tggcaccaac ctcttcatca aggttgatgt tgggtggagat 120  
aaatgcgtgc acttgagggt gtttcaaccc ctcccccatg aaaacaagcc tttgaccctg 180  
tcttcctatc agaccaacaa agaaaggcac gatgagctct cctacttctg attcggggct 240  
cctttgcacc tgtgtttggg accacgtagt aaaaccccc tgggtgatgg agagaaggga 300  
gttgagcagc ttctgttgtg attctcaaac tgcgttgat tttgcatcct tccaaataat 360  
tattttcaga aaactgtata tgatctctct aaatatatat tttttaga 408

<210> 370  
<211> 381  
<212> DNA  
<213> Mus musculus

<400> 370

gccttttcat	ccctctgcta	acctgaccta	ggactgggct	gcctcctgca	tccacagcaa	60
acacagngag	aaggctgatt	ccatgacagg	cttcaaata	acagttaagg	agactagacc	120
taaaaataca	ggcttggctt	tgagcagcca	gtcagaaact	gccctatcac	ctggcctgaa	180
gcaaggacaa	tgggtcagca	gtttcctgct	ggccccccacg	ccccagtaac	ggaatgtcct	240
ttgtgataga	gtaagacaaa	gccaacctac	ctcgggattc	ccctaaggag	ctttaaattg	300
aacctgtgaa	cttcagagtc	tctctatctt	ggtaatggga	gaccccagca	tgctggactt	360
ctgcagaata	atcactctgc	a				381

<210> 371  
 <211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 371						
gattgaagag	gaagccaggc	agaagaagat	gtagatgcac	tggcccaggt	ggatccacaa	60
cacccgagta	taacattgac	cctgaggctt	gtgacctgtt	atggctctgt	aattgtgtaa	120
gcttgagcgt	ttttataccc	agcagcgtag	atttcataat	aaagtagttt	gttgtggaaa	180
aaaaaaaa						188

<210> 372  
 <211> 303  
 <212> DNA  
 <213> Mus musculus

<400> 372						
aggacacgat	gtggagcggc	tggagcgcct	gcaggagcag	ttaaagaagg	ctaccgccat	60
gctaggggag	gctctcggga	gggaaggctg	accccacgcc	actccttccc	cacactccct	120
gaggctcagg	actgttgacc	tcagagcctc	ctttcaccgg	gcattctgct	ccacttccaa	180
ctggtaggga	ctggaagcaa	ggatgtgcct	gagaaccaag	cctgagagaa	gcctatgggc	240
aggggctggn	ctccggctga	ctcaggaccc	cgccccaccc	ctccatccct	gagtgaataa	300
agc						303

<210> 373  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 373						
tattttacttt	acaatgatgt	tagnnccccc	ccatacttga	gtaataaaan	tggcggggttt	60
ggaancgtgc	tgtatacata	aatgaataaa	taaatcttta	aaaaag		106

<210> 374  
 <211> 335  
 <212> DNA  
 <213> Mus musculus

<400> 374						
aggacctcaa	ccaactgaag	agttgacccc	gccagtctgc	gtctctctgt	cttcacttga	60
atgtctttga	gaatatgtaa	aaaggagcca	catgcacctc	cacgcagtgt	gcaggacgag	120
aacttccgtc	attgtatata	ggcctctgcc	ccgtctcccc	ttaagggttat	ccactgtgct	180
tgatgagtga	gcagtcaata	catctgctgc	ccgtcggcat	tctgggttaa	taaaactata	240
ggaattatatt	cacaaacaaa	ctatggaaag	cagtattaaa	atctgagttc	tgtatctact	300
ttaataaatg	ttttgggtct	ctttgaaaaa	aaaaa			335

<210> 375  
 <211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 375  
 tgtgggtgcc ctaaggcttg gaattcngtg gtggaagntg ntncncanng cgacagtcca 60  
 tggcctntnc ctcgnagggc tctttgtcat cactgaggct ggacnagga agtgacnccc 120  
 gtgctacggg actatgatgg a 141

<210> 376  
 <211> 433  
 <212> DNA  
 <213> Mus musculus

<400> 376  
 gggaatcaac agcaaaggat tgggtgagctg cagaaattct catggattgt tgtctttctca 60  
 cacagcanaa gacgtcaggg acccctttca ttctgggtatt ctcaactgcag ataggctctg 120  
 tggataaaca gttcttccca ccccccctgcg tattttttaa atgttttggt acctcttctg 180  
 gccatgatag tgtctagtga tggcctctcc cattctcaca gatgatgccg tttccctctt 240  
 agtactttca agatggctct ctgtgtctgg ttttcagaag tttcaccatg tgtcttggtg 300  
 tggattcttt aggtttatct tatgcttggt cagcttctct aatctgaaga agtcaagggt 360  
 tatgtctctt gacaaattca gaacattttc acatgaccaa cattattatt attaaatggt 420  
 ttctctgtgt aaa 433

<210> 377  
 <211> 202  
 <212> DNA  
 <213> Mus musculus

<400> 377  
 gtgagaagag actaggtgtg acttaagaga gaatgcattn ttaacaagtt cttttcttct 60  
 cggctaaaga agtcccggnt atncttcacc atggagctca cgcattagct tctgcagaaa 120  
 gacttcccaa atgtcaccaa gcagcgtcct cactcttgag agcaggatta ataaattatt 180  
 tgntttacct gaaaaaaaaa aa 202

<210> 378  
 <211> 255  
 <212> DNA  
 <213> Mus musculus

<400> 378  
 gagatgtctt ctttggacca aagatctcct ttgtgatccc ctgcaacaac cactgaggat 60  
 ctgccttgca ctctggagaa catggctctg aaggccttca cgtcccctaa tttcccacaa 120  
 actctgtcag ttcagcgcca tttctgatat ccatccagta tatccaatct tgcataagatt 180  
 ctataaagtc ttacttgcta gagtatactt gggctaaagt ggtaataaaa gttgtttcca 240  
 tttgaaaaaa aaaaa 255

<210> 379  
 <211> 120  
 <212> DNA  
 <213> Mus musculus

<400> 379  
 aactgtgcgt atcacaactg agtnatctcc cctggcagcg gacatcttga cctgcctccg 60  
 gagctttgct ttgtcttccg taggtcaagg cgttggnctc ctctctctct ttttttttaa 120

<210> 380  
 <211> 259  
 <212> DNA  
 <213> Mus musculus

<400> 380



agggcctgat	agaccttgtc	gagctgaccn	cctanatnct	gtgatcgatt	cgccgaggtt	60
anctganana	ngcaaccacc	attacagagn	gtcttcatac	cttttgtaaa	agctgcattg	120
tgagacattt	ttactatagt	aacagatgcc	caaaatgcaa	catagttgtc	caccagactc	180
agcctcttta	taatataagg	ttggaccggc	agttacaaga	catagtatac	aaattagtga	240
tcaatctaga	aaaaaaaa					259

<210> 381  
 <211> 128  
 <212> DNA  
 <213> Mus musculus

<400> 381  
 ctgcttcaca cattttctcca gacctnctgt nctntatggc ncagaccctg tgcgttgctn 60  
 aggntnctac acggccanaa gtgnanttan ctttccggtt ccagcatctn cccgttccccg 120  
 tatcttcc 128

<210> 382  
 <211> 126  
 <212> DNA  
 <213> Mus musculus

<400> 382  
 tgtaatggaa tccgatgtcc tcttctgggc tgtctaagag atctacagta aataagtaag 60  
 taaaaaagaa ggaaagaaag acaagaaaag gagagtgaat gaaagatttt ttaaaaaaag 120  
 attata 126

<210> 383  
 <211> 409  
 <212> DNA  
 <213> Mus musculus

<400> 383  
 agcaaattaa agtgctacaa acagaggaaa atcctctcct gccggatgaa aagcctgctc 60  
 caggtctggt tccagggtccg aaatcccac cctctgcac ctctggcaat acgctccttc 120  
 catcagtcac ggcacccacc attttactcg ttgcttctgc tgtaaacttc atcgagctat 180  
 agcttgaaac gctatcttaa tctttatctg aaagactgct atggggatcc cacaggaagt 240  
 caagagaaaa aaatgtagtt ttccttggac agacttgact gtataaaaga actgtatatt 300  
 tgttcctcat tttacaattt aaaaagctgg tccagatagt atcatagaat taacttttca 360  
 tttctggatt aantttaagg actgcaaaaa tcccaaagct atatacttt 409

<210> 384  
 <211> 422  
 <212> DNA  
 <213> Mus musculus

<400> 384  
 gggtgacacc tctggagact tcatgaaggc tttgcttgct ctgtgtggcg gagaggacta 60  
 aagctcctga cctcagaggg cccctcttac caagcagtgg ccaactgcac cagctgccgc 120  
 cgtgacctga ccaagccatt gctccagctt caggatctaa ggaagacgca aggggtgggg 180  
 ttggactgtc catccagctg gggcactctc tagccattga ggggtcccagg cggtccttc 240  
 tgttatccct cccgctcatg gctaaggggc tggatgaacca cggccatata ctgcattcaa 300  
 ctctgatccc cttctaccta ctcctccgcc cgccctggtt tccatccctc cacataaccc 360  
 tgcttgactt gagctttgtc acatctcaag acataccaaa cctctgtcta tgaaaaaaaa 420  
 aa 422

<210> 385  
 <211> 208  
 <212> DNA

<213> Mus musculus

<400> 385

aggacggaag	gggaaggagc	ctnggagcct	cagagcaccg	gggccangcc	tngaganaac	60
cagatnlnag	ccggcgcaga	tacgcccagc	ttataacacc	ctncaccggg	cctctcttcc	120
ggctagtcca	aaaaagcgac	caagctttaa	acaagattcc	acaaacgaaa	cacaatttaa	180
attaaataaa	aacacttttc	cacccgcc				208

<210> 386

<211> 206

<212> DNA

<213> Mus musculus

<400> 386

aggcgtgtcc	ctatgtagct	caggcttgcc	tttgacttgn	gactgncctg	cttntgccac	60
ctgaatcctg	catgtgacat	cccacgctgt	acagtnagga	agtctcactt	gcttnccacac	120
caaacccttt	tccattnggg	tcacttgang	aatctgtggg	agtccactga	ctacaggncct	180
ggaaaaccgg	ggccccgaat	gaagga				206

<210> 387

<211> 222

<212> DNA

<213> Mus musculus

<400> 387

ctatatgtgt	accacatgca	tgccctgtcc	cncctgange	cagcaagaan	gtatgnnacc	60
ttantanaat	tgaagctaata	ggatgggttat	gaaccaccaa	gtagatgctg	gcaactgaac	120
ccaggctcctc	ggaaagaaca	acacaagctc	caaaccctccg	agccagctct	ccagtcggcc	180
caagactcac	ggttttataaa	cactgttcat	gcgttgccctg	ca		222

<210> 388

<211> 242

<212> DNA

<213> Mus musculus

<400> 388

aggtctggcc	tcccctcagg	aacccaatta	gtgtggcgcc	aggtggccta	caggatgggtg	60
tcttctgacc	taggtgaaga	tcttccacct	tgctacacct	gcaatttcct	acaggagcag	120
actgcgtgct	gagctggctt	tgcaacataa	tccagctgaa	acaaaggata	aagctgtgga	180
tttcccccta	tataaatgca	cagctgaaaa	ttaaactttg	agccttgatt	agaaaaaaaa	240
aa						242

<210> 389

<211> 146

<212> DNA

<213> Mus musculus

<400> 389

caaacgggag	ccgctntgna	ctgactggct	gccttctctcc	tcctccccct	cctccccctt	60
ctgcttcaga	tnnattgant	atangtaagt	acacatgtnn	cagtatgtag	gacacactag	120
acgagggcac	cagatctcat	tgtggg				146

<210> 390

<211> 364

<212> DNA

<213> Mus musculus

<400> 390

cttataacaa	gtattaaggg	tccagtatcc	tcactnccca	cgncangatt	tcactgggnc	60
ttattacaga	taatgggagg	cacacagggg	gngcaagaaa	atgtaatgct	actaggctgc	120
ggncacagaag	naccttcttg	ttcacagagaa	ggnacgtgta	tcttgctagc	tcctgncaaa	180
gncctcccca	acaaacgcac	ctggtaaaaag	actgnaaggg	cgtactcttc	atccatttcc	240
acgttcatca	gtaagcagca	gccgttgagc	ttctctgaaa	ctcatccggc	catcctgggt	300
tctgtctgct	tgctggaacc	actcattcaa	cattccagct	ctgagtcaag	gcaaaagctc	360
ggtg						364

<210> 391  
 <211> 236  
 <212> DNA  
 <213> Mus musculus

<400> 391						
ggaagtctga	tgagcgaagc	gttctgaagt	tggttgga	actgagagat	gtgctcggga	60
ttctcggcat	gcttgctttc	ccttgccctg	ctggccaaga	actcttcagc	atctgtgagg	120
ggttgaaaga	tctcaagccg	tgaagccttt	aaaagccaat	gtgcagcttg	agagtccagg	180
gcagtgtcta	ctgccaaggg	ctttagcttt	tcaaataat	ttttaaaaga	aaaaaa	236

<210> 392  
 <211> 104  
 <212> DNA  
 <213> Mus musculus

<400> 392						
gcataagat	gacctgattt	cccacaagcc	tgggattgct	gtctatgcat	gtgtctgtgt	60
atctacacat	acacacccat	aataaaacta	catatatatta	ttga		104

<210> 393  
 <211> 299  
 <212> DNA  
 <213> Mus musculus

<400> 393						
tacctcaccc	gtccctggat	gcagnggcga	cattngcagg	anggnccanc	atggctaaga	60
nagnetgnct	tnccctgac	ccnccnangc	tgaanctcac	aanacctgcc	cttccangag	120
gacattngtt	nagaagcctg	gccaccgnnc	atgagcangt	gngccaagga	tctccatgcg	180
gggccacact	ggctctactg	tggttcagtga	gggagggata	tgctgtattt	gcagcangga	240
ctcagaacat	anntgctgat	cacagagggg	cncactagag	caggttgtga	gttataagc	299

<210> 394  
 <211> 336  
 <212> DNA  
 <213> Mus musculus

<400> 394						
ggtcctccct	ggacacttcc	tgctgtgcag	ctttctccca	ccataggaat	cattactctg	60
acttcactgg	ctgggatctg	gggacacagt	gttcacagtc	tcattctgaa	gtcccttggt	120
tgtcccaatt	gtctgttagg	atgtggggat	ctcgcttggt	ccatgagaaa	tggcagaggg	180
ttttcctata	aaagtagcac	acaagacgac	agcataatct	atgaaatcaa	tattctgtcc	240
atgtgaggtt	tgtaactttt	agtaccactt	tgaattaatg	atgttcaatg	aacagtttaa	300
aactttataa	ttaattgaat	tttaagacaa	aaaaaa			336

<210> 395  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 395  
gcactctacc cctggacccc ggattgcac ataaagcagt gcctgctcct gcttcctctt 60  
ctcctcccct gcctgtaagg tctcctgtt ggctcccttc cctactctgc atagaagctg 120  
catatgaaca gcctcaaccc catagcaatt atggtttctg tagtgtcctg cattaaaaat 180  
gctatctctc ttcgtcaaca ataaagggtt ttacaaaagg aaaaaaaaa 228

<210> 396  
<211> 121  
<212> DNA  
<213> Mus musculus

<400> 396  
gacaggggtt ctctgtatag ccagcgcttg actgtcccgg aattcactgc atagaccaag 60  
ctgacctgga actcagagat ctgcctacct gaataaagggt gtgagccacc atacttggcc 120  
a 121

<210> 397  
<211> 337  
<212> DNA  
<213> Mus musculus

<400> 397  
aactttgggt cccattcacc accgtcatcn cgaanaggaa caagatgnnc ntactatgtc 60  
cggagnnact accaccagac ntatacctgt aacaagtaac ccaggacgga ntactgcngg 120  
cnctcanggg nactggaaa nntcctgccc catggcccat tanaaaatan tttctctnca 180  
cgaaactgtg ccctgnaggc ntncatcaac accatgaatt gaatggnacg gagtgggnant 240  
gntgaagaan taacatangg ctctntatgg caaagcacac acaccacacg ggacctttac 300  
atgnaatctg gttgttattg gggtttggat ttccaga 337

<210> 398  
<211> 146  
<212> DNA  
<213> Mus musculus

<400> 398  
aagagtgcct accgaaggag tgggatggct ttcctggcct gctgagggga ccatggccgt 60  
gcctgccgcc acgaagagg agtggttcac cgaggtcatt cttgcctgtc ctgccggaaa 120  
ataaaatagg attttatgtt ctctctg 146

<210> 399  
<211> 240  
<212> DNA  
<213> Mus musculus

<400> 399  
gggcatactt tgagaagaca cagagcagc tgacaccctt tgtcagggtca gcaggaacta 60  
gtctggtgaa cttcttcagc agtttaatga acctcgagga gaaaccggct cctgcggcta 120  
agtgaatgt gccaggccca gtcttccac cccagctgct ccactggcca ccgctagagc 180  
ccctctccct accttctgcc tgttttctcc aataaatgcy gaaggagtta aaaaaaaaa 240

<210> 400  
<211> 280  
<212> DNA  
<213> Mus musculus

<400> 400  
agcttctttt aatagtataa agcgaaggag aaagcggcgg tgatgctgtt caggagagca 60  
cacacgtgaa gacaaatagc gtgattactc ttttcacggc gatggacacc aggaacaatg 120

cgagcatctg agggcacaag acttcatcac agggcctggc tttctcatcc tgacgcaccc	180
acagcaaggc ctggattatg cctgcttttg atctcactaa tttgctattg ggacagaagt	240
tattcatttg ggggtgaata aagaaattcc aatttgaacg	280

<210> 401  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 401	
acctcccagt tcttgaagat ttcctactgt ctagatgctg ccacaccttc ctgccagcca	60
gcccagaggg atgttccatc accttcacag tatttattat cctctgccac ctcaactgctc	120
ccatacagac atccttacac aaccagcaac gcaacaagga aactgaaaa aatgcctcat	180
tctaataaag tgactttctc cattaccctt acccctctac agacagattt aaaagcagac	240
agaacaaata aacgaacagc aacaaaa	267

<210> 402  
 <211> 123  
 <212> DNA  
 <213> Mus musculus

<400> 402	
gggaacattt gtgggcagga aagaccngga aagtagtgct ggagaaggag actggagaga	60
aacactgggc ctgtccctgt gatgcacttc tgccagcaag ggcacgccta ccagtccctg	120
aag	123

<210> 403  
 <211> 315  
 <212> DNA  
 <213> Mus musculus

<400> 403	
ccctctacac taaagttggt gcggttttga gacagggctc cgggtagccc aggctaatac	60
agctgaagat gaccttgaac tcttgcttct acttcctgag tgttgggatt tcaagtatgt	120
gctacgatac caagctgaat taggcctcta ccatcacatg caaggacctg aactacatac	180
acagcatcat taaacaatgc agtactttgt tctgaatagt tttagctcta ttataaatgc	240
catgttttac acctgggaga tagcaatatg aagataaggc tcagtaataa agatgctgac	300
agctaaaaaa aaaaa	315

<210> 404  
 <211> 361  
 <212> DNA  
 <213> Mus musculus

<400> 404	
actgagaaac agctctgaag cggtttgctg ccngctagc anaccnnnnc tgggnttgng	60
cgctacctgc cgntgnaatg ctcgggagat tgccacttcc acaactgctt tttgctgcca	120
tccttggaat tgctggagga atgtatatat atcagccaat atttgaacaa tattccagag	180
atcagaagga attaaaagaa aagggtgaagt tggtggaaga atcagaagaa aaggagacta	240
attctgcata aactgaaatt gtaaaccctg cttaacgttc tattgaaatc acaccgacta	300
ttagtctagt aagacttttag gtatgcttta aataaataaa tcatgggtaa tgaaaaaaaa	360
a	361

<210> 405  
 <211> 329  
 <212> DNA  
 <213> Mus musculus

<400> 405  
gactgtgaag aaggtcaaga ggatggctca aggaatgaaa cacctttttc tacaagtga 60  
gactctgatt tagaaacgga aacggctcgag cttgggtggag ggttttatgt gaaatcattt 120  
ttaaagtatt cagaaaattc tgtcccagcc actcaaaggt tctgaccta tctgaagtca 180  
tggactggtg ggcctggccc gcaagcgtga acagctgctg aattctgcaa acaaggactt 240  
ggctcagtat ttgatagatg ccttgatttc catttcatgt atttaattta atttaataaa 300  
atataagcat taataatgtg aaaaaaaaa 329

<210> 406  
<211> 396  
<212> DNA  
<213> Mus musculus

<400> 406  
gctctgggga gctcctgcat taanaaaaaa ctgaagngca ntncggctta agtcctaaat 60  
caatgcgcct gaaaatctcg ttcccaaagc gtgtctgtca gaactgttac tatagcttgc 120  
agcatgagag gggggcagaa gatggacctc ggaactgctg agatggaggg actggcgaga 180  
gaccacagcc taggaggctc ttcacatcct gccgggactc cagaggcact gaagcagtct 240  
ccgtttacac ggctcttcac tgagtgttgg aagtgtctgag tgtaaaggaa tcattggatc 300  
acggcttccg aggccagtga ccggcacggg tactgtgcag tgaacagcac aagaggaagt 360  
ggctcccagg agcatctcag acctgagtct ccccta 396

<210> 407  
<211> 369  
<212> DNA  
<213> Mus musculus

<400> 407  
ggtcttgggt caactgaagc aggcgctatg atgtgttgtt tccatctgag caaatttcct 60  
ataaagtatc ttatcagttg tctggagcca tagcaggaag tcacttagat acatgtcatc 120  
tgaaacccaa agtttggacg ttctccaaag ggtcatctgg atcgggtgtct ctacttttct 180  
ctcagcaatg ctgagggtctc attgctaacc cctgaggata agggatggct agaattcagc 240  
gtataacaga acataagaag agctggagga ggcggtacag acttgtantc ccagcactca 300  
ccangctnga ngcaggaagg ggtggcctaa aagttccaga cccaacctga ntttccaggg 360  
ggaagacct 369

<210> 408  
<211> 102  
<212> DNA  
<213> Mus musculus

<400> 408  
ccctctgatt gccctgtcta ccctttgcat tgctggactt cagatctgac cccatacctg 60  
cctgttgctt atgancctca natccaaagt tggccagcat tt 102

<210> 409  
<211> 786  
<212> DNA  
<213> Mus musculus

<400> 409  
gtgctgcgtg aaggccctta ccccggcatt cctgggtctgt gtaggatacct cgcctttctg 60  
taggaattac ctccagggga agaaggtgca caggtaacat gggagccaga ccctgggggtc 120  
tcttccctca acttcctctg ctggactttg tacacgggaa tcatctggcc tagagtgtag 180  
cactctatcc tcagggacag tggttcccag cctcttgttg gggaagaagc tgcaggaccc 240  
cctgaaccta agcctgtctg gctgagtgtt gggctccagc tgggcccgcac tctcctcaga 300  
ttcacagccc tgccctggcc agtacatctt tggagtccat ctctgaaaaa atcatccact 360  
gcagttacca gaatagctgg ccttggtaac tccctagccc agagactgtc gcaggatgca 420

gtgacagtct	taacctttgt	ggcatcgggc	acatacagaa	ggcacaactc	caaggcaata	480
aaccagccct	gcacatactc	taaggcctta	aggcttgaaa	gactggctca	gttgcttcac	540
cagcctggag	gaaagctaag	atgctgtgga	tgccatgaag	tgactgcagc	catgaagcca	600
catcctgtct	ggtgactgna	taaacttggg	atcctgggac	tactcagagc	ccctactgga	660
tctctacttc	tcaatgcccc	tgccaagggc	ttgngccaca	ttntggacag	aagctttgag	720
gagtcaanng	ggnccagnng	tttggaangn	nnggncttgg	ggtggttccc	tttaatttgg	780
gagggc						786

<210> 410  
 <211> 301  
 <212> DNA  
 <213> Mus musculus

<400> 410						
aagcagctca	agaggcagct	ggaggangca	ccaggaggag	gcatnnnnng	gcacttgctg	60
gtcggaggcg	gctgcagcgg	gagctggagg	acgtcactga	gtctgcagaa	tccatgaacc	120
gggaggtgac	cacgctgagg	aacaggctcc	ggcgtggccc	acttacattc	accacacgga	180
ctgtgcgcca	ggtgttccgg	ctggaanagg	gcgtggcttc	tgacgaggaa	gaggctgaag	240
gagctgaacc	tggctctgca	ccangccagg	agccggaggc	tccgccccct	gccacacccc	300
a						301

<210> 411  
 <211> 326  
 <212> DNA  
 <213> Mus musculus

<400> 411						
gatctctggg	agccggttca	gagcacatat	gccgccactc	agaactgtca	tctgcccacc	60
ctatgtctcc	ttcctggaca	ggagactatg	gaggaagatg	tgggtcaaatt	tcccttctac	120
cgcaagacca	taatcatcat	agaccgcgat	cattggaaca	ctcagaagtc	caagttgcat	180
gctttttatc	tttgctatct	cttctcgccct	ctgtccctgt	ggacagtga	cacagcatac	240
tggagccagt	gcttttagga	gcaaactgaa	tccatcactt	ccaattccac	attcagcaaa	300
ataaaggcaa actggccata gctaca						326

<210> 412  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 412						
caccggcagc	cttggcatga	cgctcgtgaag	gtggccattg	ctaacctgac	atgtggggac	60
tcaggaaccc	cacccttat	gggctccang	ctgngctgct	gnccccagnt	ttgnggctct	120
aanangccct	tgctgctacc	ccacatcanc	ctgctgccat	ccatgtgtgc	ccnttgntga	180
aggcctcgnt	gnnccctgcc	atgaggatgt	gtgccccagt	tanggggctg	ttnttganc	240
tggngggant	gctgaanacc	tngccggcnt	ttgcacctnt	gccttgctta	acctgggaaa	300
atgg						304

<210> 413  
 <211> 491  
 <212> DNA  
 <213> Mus musculus

<400> 413						
tgatgcgatt	gactaaacct	actttgttca	ccaatattcc	tgtaacgtgt	gaagagaagg	60
acttacctgg	tgatctcttt	aaccagttaa	tgaaagatga	tccttcaact	gtaaatgggtg	120
cagagatttt	aatgttggga	gaaatgttga	ctttacccca	aaatttcggg	aatatatattt	180
tgggagagac	cttttccagt	tatatcagtg	ttcacaatga	cagcaatcaa	gttgtaaaag	240
atatattgggt	gaaggcggat	ctgcagacga	gttctcagcg	tttaaacctt	tcagcctcca	300



atgctgctgt	ggctgaactt	aaacccgact	gctgtattga	tgacgtcata	caccatgaag	360
taaaggaaat	tgggactcac	atgttggana	tggntaccgg	ttntcnaaaa	cttnnggtca	420
tttattaagt	tcactttcct	ttttcctctn	tttggctttt	gcataccatt	antaattata	480
taccttaa	a					491

<210> 414  
 <211> 345  
 <212> DNA  
 <213> Mus musculus

<400> 414						
gaacacgaac	tcaaacaatga	acaacgatac	atattacaaa	tgttcaaagc	tgattttgggt	60
agaattggaa	tacagttgca	tacaacatat	tccagaagaa	tcagaaaagt	caaagtaatg	120
gataacagaa	aagagcctcc	attcttcaat	gaagataacg	tgggaccatt	ttattttcaaa	180
cttcctttct	atgacaccat	ggaactcttc	atcgaaacgt	tgactggaac	atgttttgaa	240
ctaagagttt	caccctttga	agctgttatc	tctgtgaaag	gaaaaattca	aagattggaa	300
ggnattagnc	tttgnacaat	atganggatt	aagcatctta	taagt		345

<210> 415  
 <211> 392  
 <212> DNA  
 <213> Mus musculus

<400> 415						
gttttgagag	attgctacaa	tttggactca	caagcaagat	ttactgcaaa	ctttgagatg	60
gagtaggtac	ttttcagatg	gtggctggct	gccagaaaag	atgctgtagt	gaaactagga	120
gaagntgatt	tccaggtcat	atgtcattag	tgtggacgct	gctgtcttaa	gtctgtggcc	180
atggcaccag	aacacaaagc	ttgtgcctct	tactcagctg	tccacggagc	ctangaagcg	240
cctggggcca	ggcaccagcc	ttgtctctcag	agaagatgtg	tctgcaggca	gcgtggacct	300
gtgctatctt	cctagaacac	attgnactca	tgtttttaac	acttggnttt	tgatttttaa	360
aattagtatg	agtgtctcag	atatgaaaac	ag			392

<210> 416  
 <211> 155  
 <212> DNA  
 <213> Mus musculus

<400> 416						
gtacagctcg	ggactagtca	gactctacag	cttccaagcc	atcatcgaac	agactnacca	60
cctccactct	ntgaagtttc	atctntggag	aacgcattcc	agatnggagg	ccatccttgn	120
cactacatca	tcacgcctaa	taagaagaaa	cagaa			155

<210> 417  
 <211> 404  
 <212> DNA  
 <213> Mus musculus

<400> 417						
aaagcatgcc	ctgaactgcc	atcgnatgaa	gtctgctctc	ttcagtgtgc	tctgcgagat	60
caaggggaag	actggtccct	gtggcccctt	gccacaaacc	aanggaagng	acatgnnnnt	120
nactctgngg	accctggcct	tcctccagcc	ccccactggg	ggagtctgcc	tacagcccct	180
ggtncatagt	aactggcana	gggcccgcct	acagccagcc	tcatcacctg	cgggagagtc	240
tggcagcttc	aattcngatg	ctgcatctaa	ttaagtntct	ggcacctggc	tgagtgccat	300
aagtgactgg	ncctgtgggn	ccngctgnnt	aacctnaana	angcccttgc	tgcggtttt	360
gccctttttc	aaggccactt	gcctccccac	cttggtgtga	aaga		404

<210> 418  
 <211> 393

<212> DNA  
 <213> Mus musculus

<400> 418

tattttaatgg	aaatgaataa	ctccttttga	gaaagccatg	gcgaagttaa	acacaaagct	60
caggggttgt	tctcgagagt	cttcagtatc	ttctctcctg	gcaagcggca	gcctgagtgg	120
cagcagctcc	cacagctccc	acagctcggt	tgtgtataag	gaccagctgt	acagctcggc	180
ttccgaggcc	ctgcaggcct	atattgatga	ttttgacctg	agcagagaac	atcctgggtgc	240
aaacgctgtc	aaagtgaaca	ctgacgggtga	gattggtaat	gggctgcaat	tttccagcta	300
cgtacataca	cccgacaatg	cttttgncaa	tcttgatccc	aagcagcact	ttaaccctt	360
tatactatag	aagagagact	gttaatgaca	tgg			393

<210> 419  
 <211> 283  
 <212> DNA  
 <213> Mus musculus

<400> 419

tctggtaaaa	tttacagaca	aatcatcaaa	gctgncgggg	gananaagag	tgcnnntntan	60
taggagnaat	gtncatttaa	aaatagctaa	ttgcatttct	gcatgactgg	gctcctaaaa	120
aagctagttc	ttagggctct	tggagacagt	atggagttcc	agtctcctcc	tggtgctctg	180
cagaagacag	tctcttcctg	gctgccttca	gatcaagatg	taaactcttc	ggcttctnca	240
gcaccatgtc	agcctacagg	ntcnctatga	tcataatgga	cta		283

<210> 420  
 <211> 444  
 <212> DNA  
 <213> Mus musculus

<400> 420

gaacacaagt	ccaagcggtc	acatggaggc	cagctggaaa	ctacatctcc	cagcttcccc	60
tgcagcagtg	gtggccatag	cagtgggtgac	agccagcacc	ctgggtgttg	tcctgattcc	120
gggggactct	gagtgccagg	aatggccttc	aggaaatgaa	cctgggtcctg	ccttcactat	180
gccactgaca	catcttccag	aagataccac	aagaggggaga	aattgaccga	tgaggaggga	240
gactcagagg	tgcagggaagc	aagcagaaaa	tggccttaga	gtgggcagct	gataatgatt	300
tagagaaaca	caagctacct	ggccatggca	ttaagacaat	acaatgcaac	tgctatggat	360
ttgataaaaa	ctgattaaat	tttaatttgg	ttaaattaaa	attttaattt	gattaaaatt	420
aaattttaat	taaatacaaa	aaaa				444

<210> 421  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 421

gtgactgtgt	tttattttca	tgnccctgtga	tacaagagaa	tactgaggag	cagagctcca	60
gggctctcca	agccagcagg	aggagtctga	tgctctaagg	ctagcgctat	caaggaggga	120
gcgtctgcga	agagtttcaa	gacagcattt	catcttatgg	atttgccata	gtccttccaa	180
gttgacttat	catgcanntg	aagaaatgga	tgagngaaga	gannnccaan	atggaggagt	240
ctcagctata	tccaactgcn	acatacaaac	atatggtaat	ggcactgtna	ttctgaaact	300
aangacataa	ataatgctgn	gtaataattt	aaaaacaaat	attcagacta	aactataacc	360
actacagagt	ntacatccat	aaattactta	tgctgnaaat	attaactctg	tc	412

<210> 422  
 <211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 422  
 ccgactatgt gacactctga tttnnncagnc ctgacttccc cacctgtgga accgtgaaac 60  
 gatacgtttg cctaataatgc gaccatgcca tacaggcttc tncacacnct ggcaagttgt 120  
 acnncgcata tcagcaangg ctctcnagat gtctnagac ttactnngct tanattanga 180  
 ccacttaccg aaatatgatg gtacagnatg cnacaatggc ctgaccatac agantcnttt 240  
 anactcatnc tntccangga tgacanctga cagatngaata anccacann tcctggnnan 300  
 gaaccggatn gcacnngacn caagcagact ntttccggtg aatgctgtgc attgnttgga 360  
 cggaagaac ccgg 374

<210> 423  
 <211> 362  
 <212> DNA  
 <213> Mus musculus

<400> 423  
 gctgtgatgt cacacctgaa cacatgacng gccacagggc tgaggaaccg gaagctgttc 60  
 tgtgggcagg nggaatgtat gtancctggn tgctgntgcg ccccatatat aaggggaaac 120  
 cnancnagag gattggnann anggntnngg ctgcagcctg gtgaaagaac tggggccttg 180  
 nnaatgcctg cagatagngg gcattggccat ggaacaatgc ccattggctg ctacctcctt 240  
 catattgtcc tgaccctga aaccaagga cgggtcagac tcctgctcca nctgaggctg 300  
 caggtnttag ggggaaagga atgggggaaa cggacacccc aagtgggagc ctgagccaaa 360  
 tc 362

<210> 424  
 <211> 375  
 <212> DNA  
 <213> Mus musculus

<400> 424  
 gcctgcaatg aagagcaatn cgtatnttnc tgtgttgctc tcttnnttaa ctacnaggaa 60  
 ccagtaccat gttaggggct accagctgna caaaagcagg agtangagaa gacgggaaga 120  
 cagcaagatg tccaatgatt taccgtgtcc accccaggcc aggctcacat cacacaaggc 180  
 aggggtgttag tcacctgctt atgaagccaa cgtgtttgca tgaccatgcg tgaggcaaga 240  
 cccgattggg tatgactgga gggtgtgtgg atttaaaaat cttttaaaat ccttaaactc 300  
 gggttcattca aggtatcctg aggccacag gaataacttc cctctgcttt ctatcgtgaa 360  
 gggccttgagg gaggg 375

<210> 425  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 425  
 ccattgcacct gagccatctt cccctcttag gctaaggaga tntgtgactt ggtctggttg 60  
 gaagtcctgg taggaagaaa acattgagca ggtggtaagg aaaggggcat nctgcactgt 120  
 gcgggaagac cttaatccta cctcaggaga agacatgatg ggaatgttct gccctgcatg 180  
 caccttggtg gc 192

<210> 426  
 <211> 331  
 <212> DNA  
 <213> Mus musculus

<400> 426  
 catcaatagc tagctttctc acagtgttag cttggtatcc aaatactttg ctccggacgt 60  
 ggtgccttgt gcttcatagc ttaacactca tgacgaatat gcagcttaat tctggttcca 120  
 gcagttctat tggaattcag gagactacgg ctcatctgtt gggttcagat ccaaacccta 180  
 ttcatgtgtt agtgaaattt ctttctggta ccagtcctca tgggacgaat cagcatagcc 240

cacaggtaat aaagtgttta aatattgatg tatatgttca tacctctcag taaacagata 300  
 attaaagtag cctttatgac caaaaaaaaaa a 331

<210> 427  
 <211> 391  
 <212> DNA  
 <213> Mus musculus

<400> 427  
 agacttcctg cttggtgcgt accanacgga attcccagag ggacccactg agcaactcat 60  
 gaaaggggaag atcacatttt cgcagggtgag gggatgctgt gtggacccct gagggagggtc 120  
 ctctgcatca ttaattttctg ccccatcctt caacaccctg tgggcatgtc ctgcaacccc 180  
 acccccaccc cccataactc acaaaatagc aagacactga aaggtgtgtt tagaactggg 240  
 ttgttgctctg tctgggcca cctgagggac ttttcaagcc ttgaggaact gtgacaagaa 300  
 atcatgacaa ctagagtggc tatttcagga caggaccact caattaactc aataactata 360  
 gaatangggg ctttggagtc tgggactgag g 391

<210> 428  
 <211> 115  
 <212> DNA  
 <213> Mus musculus

<400> 428  
 aaacatctgt ggccatcatg gaggtggtgg aggtggagag tcccctaaat cccagctgta 60  
 agtctgcaga aattgatgat ctattaaaca ataaagatgt ccactaaaaa aaaaa 115

<210> 429  
 <211> 115  
 <212> DNA  
 <213> Mus musculus

<400> 429  
 tttgaggtgc tccatggggn tgatgatgca gaggaggaag atgacctaan ntggacngtg 60  
 ccactagagg acatgggaca gcctacagag gaggaggctg agcagtctgg agccc 115

<210> 430  
 <211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 430  
 aggatgaacc ttcttcccga cctgttacaa gccaaacagc ctcaaagaaa actcttagaa 60  
 caccagaggg ttcagtgatg aatgaagacc ctataagcaa cttatgcaga ccccatataa 120  
 gaagcccaag acttgattca acataccaaa caaatggaaa tactaaaacg aatgaaagag 180  
 gtttggtttt ctctaatacct tagagggttt cattgaggat tcttagcaac aaaatgcaca 240  
 agtttttatg gcttcagaat tttactttgt tcattatctc aggtccttag attttattct 300  
 gtgtaaaatt aagtcttatt acttgaatta catgtgagac tgcataataa taaagtactt 360  
 ttgngtgggt ctgaggggatg gacccggggc tgacaaaaaa 400

<210> 431  
 <211> 217  
 <212> DNA  
 <213> Mus musculus

<400> 431  
 cccagggctt ctgccactgt agcacgnggg nctaactaat gngccacctt gccaatctcn 60  
 aaggacatta atgggnttct gattgtgtgc nnnctgcagg atcctggatg gaccttgtga 120  
 gtgtgggtcag ccctctggag gaaaacaact tgctgacagc ctcaggctgc tggatttcca 180

ctgcctctct ataggaaatt ttgggttaaaa aaaaaaa

217

<210> 432  
<211> 384  
<212> DNA  
<213> Mus musculus

<400> 432  
atgatgaagg ctcatgggac atatatgctg ggttggacaa gtgctgtttc tgacagtact 60  
gctagatcct gtgtgtcatt cagaaactgt ttagatttgt atgaagagat cctgactgaa 120  
gaaggaactg cgaaggaggc aacgtacaat gacttgcaga tagaatatgg gaaatgtcag 180  
cagcaaatga aagacctgat gaaaagggtt aaggaaatac agacacagaa cttgaactta 240  
anaaatgaaa accagtctct taagaagaat atctcagcac ttatcaaaac tgccagagtg 300  
gagataaacc gtacggatga agagataaat catcttcacc aaagattgtc tgagtttcca 360  
cattttcnaa ataaccaccag gaga 384

<210> 433  
<211> 184  
<212> DNA  
<213> Mus musculus

<400> 433  
gactatccat tctccgtgtt gatgggcatn gtcattggctc gagctgagcc taccctgaat 60  
gaggctgttt tactcttccg gaggttgcca ggtccaacaa tgcacgtgct accaagcagg 120  
aggcgctggg tgcagggtcca gctatgctgc agaactctgc gcatgcctgg gagagaaaaa 180  
aaaa 184

<210> 434  
<211> 224  
<212> DNA  
<213> Mus musculus

<400> 434  
gtctccaaag aaaacagaag aggacatggg attccctgga actgatggac aaatgatgtg 60  
agcggtcctg tgggcaatgg aaattgagct cagtcctctg caganctgcc agcgctatca 120  
ccgagccatt cattccttca nnttcttctt tctgggnttn anttnccaaa ngncntttnc 180  
tggtggcttt nagggcntan ttttaaaggg ttgggttggt tcta 224

<210> 435  
<211> 405  
<212> DNA  
<213> Mus musculus

<400> 435  
tgctaaatga agccaagaaa gttgataatg gcaacaaagc aacagaagac gactctcctc 60  
ctggcaagaa gatgcgcacg tgccagagaa aagggcctat ggctggaggg aaggacgcag 120  
acaggacaaa agacaatcga gactctgtga agaccttgct gttaaagggc aaagcccctg 180  
tggacccaga gtgtgcagcc aagggtggga aggctcatgt gtattgtgaa ggagatgatg 240  
tctatgatgt catgctaaat caaaccaatc tccagttcaa caacaacaag tactacctta 300  
ttcagctgtt agaagatgat gccagagga acttcagtgt ttggatgagg tggggccgag 360  
ttggaaagac ggggcagcac agcttggtga cttgttctgg tgacc 405

<210> 436  
<211> 229  
<212> DNA  
<213> Mus musculus

<400> 436

ggcatgaatg	gattgogctc	anattttacca	aanntgaatg	ccaacatgaa	gactgtnanc	60
ctagnocctga	agatnatgat	tngtatggaa	ggggaccccc	anaaccctna	caaactgcac	120
attgtcacaa	gaatagtga	gtacataaga	ggcgtccata	ctgggaaaaa	gataccatcc	180
cgatgcttgg	antacagaan	gcacacagcc	ctcagaatca	caagaacat		229

<210> 437  
 <211> 294  
 <212> DNA  
 <213> Mus musculus

<400> 437						
tgggtgggaag	gacagctgtt	acaacatgat	gcagtgcatt	gctgaggggc	atcaaattgt	60
tgcattagca	aatctaagac	cagatgaaaa	ccaagtggag	tcagatgaac	tggatagcta	120
tatgtatcag	acagtgggtc	accatgccat	tgacttgtat	gctgaagcaa	tggcgctgcc	180
cctgtatcgc	atagccatca	gaggaaggag	cttgagagaca	ggaagagttt	atacgcaatg	240
tgaaggtgac	gaggttgaag	atctctatga	actgttgaaa	cttggttaagg	aaaa	294

<210> 438  
 <211> 317  
 <212> DNA  
 <213> Mus musculus

<400> 438						
gcttgttttg	atccacctct	tgaaatggat	cctaccggga	acccaatcat	acacaacaaa	60
aaggcagccg	accagtgcca	tcctgacctt	gccagcatgt	tggtgaaaaa	caagactctt	120
ttagctgagg	tatatagctt	ttacaaaaac	tgaaagtgn	aattanactt	tctgaaaggt	180
tagganagan	agagggagtn	ttgntancgg	ttanaggcgt	tatntnancc	nantttngnc	240
ccaacccaan	ncnnaatttt	ttctttanng	gggagttnaa	atccccggctg	ngcnttanca	300
cttctacatg	ggaaata					317

<210> 439  
 <211> 327  
 <212> DNA  
 <213> Mus musculus

<400> 439						
caactgagga	agtggagaag	cttctcgatt	ggaagccgct	gccgtcaatc	atatgccgag	60
cggggccggac	ttcccgacaa	gccctccaga	gtctctctgc	tgccggagca	agctcagctg	120
tcccggggac	cacagattgg	aagcaggcag	tactgtgtct	tggacaggaa	gactctctcc	180
ggccttctca	gctgtggtcc	tctaacctgt	gcctgtgagc	caccaagagt	gaacggaaac	240
tagaagcatt	gccaccaaca	actggagcag	tgaccacact	gaagtttctc	tggcgagggg	300
aaaggggagt	caggaggaaa	aaaaaaa				327

<210> 440  
 <211> 418  
 <212> DNA  
 <213> Mus musculus

<400> 440						
acaggggtctc	agtatgtatc	tctgtctggc	ctggaactcc	ccgtgtagac	cacactgacc	60
tcaaactcac	ggagatctgc	ctcccaaaaa	ctggaagcaa	aggcatacag	caccatactc	120
agcaagactt	caactttgca	tctttcatgg	ataaagcacc	cagaaatccc	tgtggctgat	180
taattcctgt	ttcattgatt	taagattgga	cagaggcgac	atgtcagacg	agacagtcag	240
cagatcacag	ttctccttga	agacgtacgc	agtttagagt	tttgctctcc	ctgtgtcttg	300
gtattattct	ctctcccaga	tcaaattttc	accagtagct	aagaagctgt	tcatggnaac	360
tgccgtgagt	gctgngtctg	ggatttttctg	gcccatact	ttaaaagaag	acggggga	418

<210> 441

<211> 383  
 <212> DNA  
 <213> Mus musculus

<400> 441  
 aagactgaga tctctgcctg gcagattaac taacgacaag gaagactggc cttacctcca 60  
 ttcccagtgc tgccctttac aagacctctg caacagactg tagcccaagc ccccttgctg 120  
 ccctgtttac cccagacatc tttctggggg ccacttgaag tcagcagctt gaagatgagc 180  
 agcaccctct tagcatgacg accttggacc atgtcattgc caccaccag tcagagtggg 240  
 tctccttcag tgaagagcca ttgttcccca cccctttaga gggggggcact gaagagcact 300  
 tcccaggact gtcattcttc tcanagcggg ctgagagctc ctctggggag aacctatgtc 360  
 tggatgaagg ctcccaggac ctt 383

<210> 442  
 <211> 165  
 <212> DNA  
 <213> Mus musculus

<400> 442  
 gatttccaca ggctatacan gagaaaccct gtntcnaaaa accaccgaaa acgatagctg 60  
 agancngnng taacactcat cttnaatcca agtacttagg aggtaaagac agaaagtctt 120  
 tctgctacac agagttcaag gccagcctgg gctacaagaa actca 165

<210> 443  
 <211> 298  
 <212> DNA  
 <213> Mus musculus

<400> 443  
 ttgacacact gagcctagca aagctggcta tgaccatccg ccgcttaagc ggagccacct 60  
 gctgtgctgc tcctttgatg tgccactacc tgcccagagg ccaacctgcc tgaggcagaa 120  
 cctgtttgtct tccaagattt tctggagtta gcaccgaact gcaatcttca cgagttccca 180  
 ctaaaagact gacctatcta cttcaaagaa actttgcatg gctaggtatg ggcctcccct 240  
 cttctttata aagcgtgttt gctgacatta aaattgaact ttgatcagaa aaaaaaaaa 298

<210> 444  
 <211> 423  
 <212> DNA  
 <213> Mus musculus

<400> 444  
 agctcctgaa gttctgccat tccccgtggg ctgcagttca ggaagcttct ggaacatgag 60  
 gcgcctctgc catggaaaca agatccgcgt cgtcagcttc agatgtgttc ttggaacact 120  
 gagttcgctt tggcagctgt ccgaaagtta atcctgtgaa gggacctgaa gcagccctct 180  
 gaggaagcct cgcgcacccc tgccgaagaa catcgcagtg tgttcattcc cttccggtg 240  
 gcctcaggat ccaagcagga aagaagaggg aagaactctg aaggacatga gagggacca 300  
 gcttacagtc cagggttccc agactgccct ttgagaataa aataggaggc cagaatcaaa 360  
 gtctttttgga taaaacaccg cgactgacca cacactaacc catttggtg cccttctttc 420  
 caa 423

<210> 445  
 <211> 280  
 <212> DNA  
 <213> Mus musculus

<400> 445  
 cttgcagacc cttatcgacg tgggtgctgtc tcaacactaa cttggatctg aatctccctg 60  
 agtgctggag tcagttctcc caagcgggtg agttctacct tgcattctcc accaggaccg 120



cttagtaata gctgtctgct ggctcagcgt ctagttcatt tcatactttc cagatcactg	180
tgttttagca gcagccggcg ttgcatcctc gggcagtatg agagcctgtc agcaggggaag	240
aagttccagt ttggtttctc catatatggc acccaagggtg	280

<210> 446  
 <211> 193  
 <212> DNA  
 <213> Mus musculus

<400> 446	
gcaaagaaca gaagcagacc aacatcgaat ccatgaaaat ggagggctcc cggggccgac	60
tgcgaggtgg cttgggctgg gaggccagcc tccgtcagcg acccatgccca agactcacct	120
tccaggcagg ggacccctac tacatcagca aacggaaacg ggatgagtgg ctggcacggt	180
ggaaaaggga ggc	193

<210> 447  
 <211> 242  
 <212> DNA  
 <213> Mus musculus

<400> 447	
gcaccagacc tgttgctgtc aagatggagc agcacactag taaccctact aaggaaaaag	60
gngctgngga aaatcccngg ggatgccttt gagcnctaag antgcttgnn tgccnacctt	120
gatcttcnaa cccatnttgc tcnacgnan atnttnatna tcgnaaacct tgctggcttc	180
cctntcacag nngggttctg ggaggtagag cntgaactgt tcttnccttg gcttatgtcc	240
gc	242

<210> 448  
 <211> 340  
 <212> DNA  
 <213> Mus musculus

<400> 448	
ggtgtctttc tgtgccgaac atgctngaag aaatgccta gcacttcatg nnnatangta	60
gaagagcaac ccnggcccta tgggtggaaa ccntnttgtg ccagttgagc tcatangcta	120
ctcanagctg agatagnaga ccntagant aggagcttga ancgtcgcnc tctggcatga	180
nggagtcgat gnagntgaac nagnggcttt antatgagag anttgctagn nagtgccgag	240
tcattgacat tgatcagttt aaaagactcc aacacntngt caaagagaac annccgngat	300
ttntacactt tnnnaaagag gaggacgagg ctttaagtag	340

<210> 449  
 <211> 375  
 <212> DNA  
 <213> Mus musculus

<400> 449	
atgacatcat ctgccccatc ttgtggccta atncacgctn taccctcctg agccgtgttt	60
acnagtccta ttatggnacg ggaccaggcc aatnccttta ccacttacag antgtangaa	120
ncaactgtca ccnangtggc ttnnnangan gggagggagt agaactgact gtccctttgg	180
gccctgacaa gtgaaatcac cttncattgg tttgggctgg aaactcatgg ntggagcaca	240
ggaagtgggc ttngngtcac tttggcctgt cacttanatg gccttggtc tagcttcact	300
cccaaagttc tactggatgt ctgatgcaca aattcanagc tttcgggncc tgaatnccgg	360
tataacatga cacc	375

<210> 450  
 <211> 172  
 <212> DNA  
 <213> Mus musculus

<400> 450  
 tgcataagcat ggactaagtt gccagangt ttagtacttg ctcccaccgg gcnatgctg 60  
 nnnatgacat catctgcccc atcttggtggc ctaatccacg ctgtaccctn ctganccgnt 120  
 nccaccgncn tattatnngn ngngaccagg ccaatccctt taccacttac ag 172

<210> 451  
 <211> 112  
 <212> DNA  
 <213> Mus musculus

<400> 451  
 tttgtcccaa cagatgggat tgaagaaggc ctctcaggca gattttaact ctgactactc 60  
 tggagataag agcgaggcaa cagaaaacta ataaagattt gtatttgact ta 112

<210> 452  
 <211> 250  
 <212> DNA  
 <213> Mus musculus

<400> 452  
 ggttggtgca ggaaatatta anaaaatgaa cccaccaact ctctgtgngg ccgaaccaca 60  
 ctcccgcgct cctgccagca cgcggaact ctctccagct agcccctgca gcatctggct 120  
 cgcttgnccc gggagccact agttccctct ctgctataat cccctgtaat tggatgaccc 180  
 atattccagt aaccaaattg aaccaccaac ctcgaggttg catattacaa tacacagtaa 240  
 cccggtaaaa 250

<210> 453  
 <211> 615  
 <212> DNA  
 <213> Mus musculus

<400> 453  
 gtaattgtgg atcgccctctt acatnccttg gngggtcgan ccggaanagc nctttcacng 60  
 gaagtnccct ngaaanaccg gtacccttna attgnggctt nggcctccgc aaaccnaaga 120  
 cccttttact ttgtnacggc aaaagggttn ccgggtccaa ancanctant agatttnccc 180  
 cggtaacacg tnggcancta atatttgtaa atcgctctct tttnaaattg cntngtcttt 240  
 ttaaacggcc attgngggttn gaccnaaccc ctttacnttt taatcnggcc ttntacatta 300  
 accccgggnt gggtnggcnt tccaaacccc ttgggcgatt tcnaancctt tggggcncnc 360  
 ccttggttcn gggaaaactt ggcttgccac taattttaaat ccggcacgcc tggctttntc 420  
 ctcatcngcc tccatagtng ataagcctnc aagagttaca accagagtgg cctggaagcc 480  
 ggacgatctt tgggttcttg ccagcttatt ntgctagcga gcttgnggnt ggcctacaag 540  
 ataacntgna taaccagng ttcagaggca tntgcctgna tnaggccaca ggcctntgaa 600  
 ggaccttggc catgg 615

<210> 454  
 <211> 343  
 <212> DNA  
 <213> Mus musculus

<400> 454  
 accatccaca catgattgaa tcattaataa tctacatgat tactnctcgt ctgcaaaatt 60  
 aagcagttct gagaagtcaa gcaactcact gtcttctcct ttcactcttc gtttcctgat 120  
 cttaccagtg catcggtgca ggtggtcata tatgcttagc agaactgcag gacactggac 180  
 atactatgga ggcctcagcc tctttctctc ctgctccctt gctgtggagt aacttcatcc 240  
 atcacgctgt cctagtggct tcttcagatt atcaaagttc caataatcgn ctctagggga 300  
 catgtctcta aatnccattc agaagtttag cataattttt agt 343

<210> 455

<211> 266  
 <212> DNA  
 <213> Mus musculus

<400> 455  
 ctctgatccc gcttgctggt cctactgaca cctgagccgc ggtggcgatg ctgctgaggc 60  
 ccttccagcc cacgagtcaa cctacttggt aggagtgtct ttancctca aggnctnctca 120  
 agtgcangaa gagagtgatc tagaaatgta attgaaaata gaatagcatg aaagatatata 180  
 atgtctttga atattttatt tcagtgtatt ttaatatatt gataataatt aaagggtctgt 240  
 gagttaacc agtggttttag gatata 266

<210> 456  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 456  
 gactgaggtc cggatggcga gggggcacag gagctctcga tgtgacctgg cgctgtggat 60  
 gtgatgcaca gcagcttgag tgggactgct ccgctgtcct catgagagaa cgctttttct 120  
 gaagatggga ggtggctaata gaaagaagga attgtgttct cggatgatgcc tgggaagagat 180  
 gcgtgacgtt ggaagatgat tacgaaatac aggaaaggaa tgaaatcaaa ggatgttttt 240  
 tgtaagagta acacttacag aaatattcat taatttgaag atttatataa ggcttggtga 300  
 cctccgttaa ttcctgggac ccacagtgtg gaagaagaga cctgactcct gaaagttgtc 360  
 ttctgaccac atatacacia tatgtaaata aatgtaatta aaaaaaatca aa 412

<210> 457  
 <211> 329  
 <212> DNA  
 <213> Mus musculus

<400> 457  
 tcaatgctag aaggtgaagg aaagccactc aaccagact cagtcagggg aacctctctg 60  
 gaaccatact tctgaaaacc tggatgccaa tgacattttt tgtggagata agattcaagt 120  
 acagaaaata aaagtgcata ggctgttga aataccagct ctactaaaag cagcacttaa 180  
 ttctaagaaa tggggcctttc ttatatgctt tacacatttt ctattatcaa agttttatat 240  
 gttgtctcta taacttctgt gattgttgaa tttgtaattt ttatacctaa aacttaaaat 300  
 aaattcacac aatttctgta aaaaaaaaaa 329

<210> 458  
 <211> 218  
 <212> DNA  
 <213> Mus musculus

<400> 458  
 caagccatct ctccagcctg agagtgcgtg ttcttatcat gagaagacaa acagcagtgg 60  
 agttggcaag ctgcctcagt gggattctga tgcttcatga catgccatca tgtagagcaa 120  
 taatgaacac tggcctatct tggactagcc gacaaccctc agaaatgata ccgtaataac 180  
 ctaccgcagg gaagctgagc tcgagtcctc atgactat 218

<210> 459  
 <211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 459  
 ggacaagttg cttcctgaag gatccatgtg tattgttcaa aacacaagct taaaaagagt 60  
 gcctgcagac agatggccca catcttcgtg tatggcacc tgaagcgcg ccaacccaac 120  
 cacaaagtca tgctggacca ttcacatggc ttagcagcct tccgaggccg aggctgcaca 180

gttgagtcct	tcccactggt	gattgcaggc	gagcacaaca	taccttggct	gctgtaccta	240
ccaggcaagg	gccactgtgt	gacagggtgag	atctacnagg	agnacganca	catgntgngt	300
ttcctggatg	actttgaana	ctgncccagn	atgnnccagc	gcacanncct	gnagggtgcat	360
gngctngagt	gngagggtga	cagtgaccct	ggtgacaagt	gttgagntct	ttgngtacac	420
tacagcctcc	ta					432

<210> 460  
 <211> 340  
 <212> DNA  
 <213> Mus musculus

<400> 460						
ctgaggccct	tttagctacc	cattactgga	ccagaaagat	gacatctatc	atcaagttaa	60
ccaccctctc	tggggttcaa	gaagagtccg	ctctttgcta	tcttctccag	gttgatgagt	120
ttaggttttt	gttgactgt	ggctgggatg	aacacttctc	tgtggacatt	attgattccc	180
tgaggaagca	tggtcaccag	atcgatgcag	tgctcctgtc	tcatcctgat	ccactccacc	240
tcggtgccct	cccatcgcc	gtggggaagc	tgggtctaaa	ctgtgccatc	tatgcaacaa	300
ttcctgtgta	taaaatgggc	cagatgttca	tgtacgacct			340

<210> 461  
 <211> 134  
 <212> DNA  
 <213> Mus musculus

<400> 461						
caggatttct	ctgcctctgc	cnaccttngg	ttcentgncc	ctnagagnaa	ctancctgga	60
gncacttctc	tggtgacacc	nactcaaana	gaacacttct	gattaaaaacn	tgtggaaccc	120
acagatggac	aggt					134

<210> 462  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 462						
gactgagctt	gcccgggggtg	caaagtgaag	atttaagtcc	cgttctggac	acaaaatcaa	60
ctctgtgagt	ggtgactgtc	agctgccggc	ttcaccaatg	ccttctcaaa	gcatgtctgt	120
ggaagaaaca	gcaagaaaac	tgctgtctaa	cttaaggga	attcttctat	actttgttcc	180
cgagtttcan	ctatcatcan	aatttgagng	cacatctgng	gaagaactca	taacaaatcc	240
tgagctggag	cgatgcccac	agaatatana	cgaaangcta	aaaacgtgtt	ncaaccagat	300
ccagaatatc	tacatggctc	agtatganaa	aagactcnng	aggaaaatgc	agtccattgt	360
ctatgangca	acacagaagg	ggcttactca				390

<210> 463  
 <211> 149  
 <212> DNA  
 <213> Mus musculus

<400> 463						
gacgtgtcaa	aaagtggaga	angnnecatgc	cttcaaagcc	caccgtgctn	agctgnccgn	60
tantagctct	tacttccggg	acctcttcaa	cagcagccgc	agtgtctgtg	tagaactgcc	120
ggccgctgtg	cagccacagt	cattccagc				149

<210> 464  
 <211> 128  
 <212> DNA  
 <213> Mus musculus

<400> 464  
gcccttctcg aagccacaaa aatctggaac ctggtgtcct ggccatgtgc tgaatgcacg 60  
cacagcacag ctctggtatc tgtttttaaata tatccattaa aataagtaca gtcctggaaa 120  
aaaaaaaa 128

<210> 465  
<211> 108  
<212> DNA  
<213> Mus musculus

<400> 465  
ggccatcttg cacagtccgt agaccatgac ttttacgtgg atatngaccg caaagaggag 60  
agcttctncg agncgnaggg ctcctngat gctctgtgta cacacctg 108

<210> 466  
<211> 197  
<212> DNA  
<213> Mus musculus

<400> 466  
ttatacaacg ccgtgactgg naaaaccctg tacgttacct aacanaatga gcttgcgaaac 60  
acatanennt ttngccagct gncgtaatag cgaataggct gaagaaaatt ngancccata 120  
gagggntgag ccanttttgg ggccttcctg ttgcggggcc agcacaccat gaccactggc 180  
cgcagggggcc cgaactg 197

<210> 467  
<211> 163  
<212> DNA  
<213> Mus musculus

<400> 467  
ttgatgatac aaggggaagt aataatgaca actaccaagg agatttggag cccagcttag 60  
agacacctgt ttgttcttcc tattatgaaa atagcccga ggagcccag tgcctgatg 120  
acaattccca ggaagatgaa gggtttatgg gcatgtccca tgt 163

<210> 468  
<211> 324  
<212> DNA  
<213> Mus musculus

<400> 468  
gatgaaaaag catttgtaac tatgaattga ctacagtttt cttcttcctc ctttcctgna 60  
attctgtntc tttccttttg ttccttcctt gcttgagaga ctcaaagcac ccgngactct 120  
gntncccat ttacccctt ttgaatttgc actaagtca ttgcaactgg ttggagtccc 180  
ggagatagct ttgagtctct ccgtatgaat gtatacagcg agtgtgtaaa cctctttggc 240  
aatgctgccc cagtaccac ctgtcgtcca tctccgtctg agggcaactg ggtgtggccg 300  
ngtgcttgag gcctcgcctt ccct 324

<210> 469  
<211> 174  
<212> DNA  
<213> Mus musculus

<400> 469  
ggccctcata atcgagaata tcgatgagga cttcagggac cagaggaagc cgggaaaaga 60  
ggcccatggc gtcgagccca gccctgaccg ccagctggct gaggtcgtgc cctgctgggc 120  
tgccctccaa tgtgcctcac gcaataaaga attctccctc tgcaaaaaaa aaaa 174

<210> 470  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 470  
 cggaagagc acaccagcc caaacctaga tttggatctc gtccggaagc agttatccag 60  
 agccggtatc ctgctcaga gaacagccac cgatttttaa gcccaggcc 109

<210> 471  
 <211> 416  
 <212> DNA  
 <213> Mus musculus

<400> 471  
 tgagataaaa atctggacaa tgccgcagaa gcagctgagc agtttaaatt aatccaagct 60  
 gcatatgacg tcttaagtga ccctcaggaa agagcgtggt acgataacca ccgagaggcc 120  
 ttacttaaag gagggctcga tggggaatat caagatgaca gcttagatct gcttcattat 180  
 ttcacgggta cctgttattc tgggttatggg gacgatgaaa ggggggttcta tgcagtgtat 240  
 cgtgttgtct ttgagctgat tgcaaaaagaa gaactggagt gtatgtcaga gggagatgtt 300  
 gaggattttc caaccttcgg cgactcccag agcgactatg acacgggtggg ccaccctttc 360  
 tacgctcact ggcagaattt tctgcacaca aaaagaaatt ttcctggaag gaaagt 416

<210> 472  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<400> 472  
 taatctcaca gactattcta aacttntang ngcatttatt gcngncgaaa agcaanaggg 60  
 agtanctgcg gaagtggngag aagactncaa catcaaagng attatctgca ctctacttgg 120  
 agtgaaaggg acacanaggg accatgaagc gntncttgct cagattctct caaaatctca 180

<210> 473  
 <211> 405  
 <212> DNA  
 <213> Mus musculus

<400> 473  
 gttaacattt ctgagctgtg ttcccagagat gcttgattga cccttgaagt tatgtggaca 60  
 gagattctca cgtgtgtcta ttttaaccac cggacccagc attgtatctt aatgttcaca 120  
 taagtcagaa ctttcataag aaagagaatg ggagctctggg taaacaaaga tgactttatc 180  
 agagacttga agaggatcag tctctgtctt ctgatactgt acgtgggtcgt tgtgggtggc 240  
 acagatcaga atttttacag tttacttgga gtgtcgaaaa ctgcaagcag tagagaaata 300  
 agacaagcct ttaagaaatt agcactgaag ttacatcctg ataaaaaccc gaataaccca 360  
 aatgcacatg gnganttttt aaaaatnaat tggaccttat gaggc 405

<210> 474  
 <211> 255  
 <212> DNA  
 <213> Mus musculus

<400> 474  
 gaaatcattt caaaaaattt cccaatcaga ttctgaggag tgggaatctt tgaaagactt 60  
 gagaagtcag cttgaacatt taagatctga gcactcattt ctaagtaaac ttactggctt 120  
 caataaaga aactattcca agatggaaga cattgtaaac actgaagaga cagaaaaaga 180  
 tacaagaaa gttctacaga aacacagatn atcaggaaat tgcaacntgg cgacnttnca 240  
 actggaattt gaggg 255

<210> 475  
 <211> 495  
 <212> DNA  
 <213> Mus musculus

<400> 475

acctctcccc	agaggagcag	tggaggggtng	aacatgctcg	aatgcatgcc	aaacatcgtg	60
gncacnaagc	catgcacgct	gaaatgggtcc	tcacccctcat	tgctaccttg	gtgggtggccc	120
agctgctcct	ggtacagtgn	aaacagangc	atccccgttc	ttacaatatg	gngaccctct	180
ttcanatgtg	ggttggttccc	ctctatttca	cagtgaagct	gcattgggtg	aggttcttgg	240
ngatctggat	cttcttctnt	gctgtcacag	cctttgtcac	cttccgagcc	acaaggaagc	300
ctctagtaca	gacaacccca	aggttggggn	ataaatggtn	tctgctgatc	tataaaatca	360
gctatgccac	tggcattgat	ggctacatgg	ctgncatgtt	taccctcttt	ggtcttaact	420
tattattcaa	gattaaacca	gaagatgcaa	tggactttgg	cattnctctt	ctnttctatg	480
gcctctacta	tggag					495

<210> 476  
 <211> 216  
 <212> DNA  
 <213> Mus musculus

<400> 476

cggttttctca	gcgactatgg	cctgcagtgg	gtgggcgagc	ccatggacca	ggagaactca	60
naggaaaaga	cagtctctga	aaatgatgag	cgagactgga	tgaaggccaa	gaagtttttg	120
aagccaggtg	aagcntntgc	cctggccccc	acctaccanc	tnctgaggg	cctgccantc	180
ttccanaggc	ccattgnttg	aaccctgac	atccca			216

<210> 477  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<400> 477

ggagcccaaa	gtcctgccct	ntnaggaccc	agctactttg	cctncatcta	cctctnnctt	60
ggtgattccc	tccctgcctc	acatctgggg	cccattagca	ccctctttcc	tggttggtgg	120
aaagtgcag	aagatgggag	gcatacctgg	tgctcaacac	gcagtaggcc	ttcaataaaa	180
gccacttgca	ttagcatttt	atacttcact	taaaaaaaaa	aa		222

<210> 478  
 <211> 290  
 <212> DNA  
 <213> Mus musculus

<400> 478

gccaacaca	gagatacttt	cattgaagaa	cgctatggaa	aatataacat	cagtgaccct	60
ctaattggctc	ttcagagaga	ttttgaaaca	ctgaaggaga	aaaatgatag	tgagaagcag	120
ccagtgtgca	caaacccctc	ctctgtcctc	aaggcgggtg	tgaagcagtg	caagaacatg	180
caggagcgca	tgctgtccca	gctggccgca	gccgagagca	ggcaccgcaa	ggtgatcctt	240
cgacctttga	gaaaaaagga	cagagncttg	cccaggacac	tgttgaagga		290

<210> 479  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 479

gtgctcctcc	cagacaagtg	ctcctnccgg	taaagttatt	cttcccctgc	agattaatct	60
ttctccactc	gcctaacctt	gngggagaag	gggggtctaaa	gtcttttctgt	ctactgtccc	120



tctgactcag	gtgcctcagt	tacgctccaa	agtgggtgaat	gggttaggat	ttctattccg	180
tangaggctn	ttgccttttt	ggnggnttgn	tnnctnatat	tnataatccn	atgttgaaag	240
ctgacacaag	aangttattg	tgagtttgag	gccagcctgn	gctacagaat	aagaaccttt	300
ctcatataga						310

<210> 480  
 <211> 373  
 <212> DNA  
 <213> Mus musculus

<400> 480						
atcaattaaa	agaagaatga	gctgtaatcc	ctgaagataa	aactggacag	cttttttcatt	60
tagtatatgt	atatttttta	ttataaaaagt	tcaggtggag	tcttcagttt	atcagtactg	120
agcagcagat	caccattttc	agggacgata	cctgcctcct	ctttttttgt	gttcttgga	180
aaaattaaac	ccattgcgtc	attgtaannn	angnangggg	gtaaattcag	gatacaagtc	240
atggaataaa	cttcccacat	gcttttgctta	aaaaacaaaa	ccaaccaaac	tcaaccatta	300
caccgaactt	tggacttctt	gaattgagct	ttattttta	ataaatacct	gaagtgattt	360
tctcagaaaa	aaa					373

<210> 481  
 <211> 421  
 <212> DNA  
 <213> Mus musculus

<400> 481						
ggctgtgatc	tcttcctcgt	agcgcctccg	gttctcgggg	tccgtgatct	ccgcggcgta	60
ctcggagaac	attcggcgga	actctgggtc	ctgaaaggcg	gaggtgaacc	gctgcacctc	120
ctctctgctc	agatccaagt	cctccagcgc	taaggaggcc	gccgccttgg	ccatgggtgac	180
ccacacggcc	caatgcccag	acccagtga	ggatcagggt	gaattgagtg	tctaggatgc	240
gcttcagagt	ctggctcatg	gagaactgac	cagtccaaga	aggccttcct	ctgttacatt	300
ttaagtagac	tgtcccaaga	ttgggatgac	acctcatctc	cgttatgcc	tctctttcac	360
atgctaaata	tatgtactca	actaccatgg	tgactctgag	ttcaaggcca	gcctgggtctg	420
c						421

<210> 482  
 <211> 428  
 <212> DNA  
 <213> Mus musculus

<400> 482						
ttatcttcac	ctgttggtgtg	aagcatagca	cctttcaagc	cactgtagaa	atggacaaag	60
aagaaaggaa	gactatcaac	aagggtcaag	aagatgaaat	ggagatacat	ggctataact	120
tatgccgctg	gaagcttgcc	atgggtttttg	taggagtgat	ttgtactggg	ggttttctcc	180
tcttcctcct	ctactggctg	cctgagtggc	gagtgaagc	cacatgtgtt	agagctgcag	240
ttaaagacag	tgaagtgggtg	cttctcagga	caactgatga	atthagagta	tggttttgtg	300
caaaaattca	ctttcttcct	gtggagaatc	aaccaaattt	gaatgcaaaa	tgttttagtta	360
atgagggtttc	taatggccat	gctgttcac	tgactgaaga	aaatagatgc	gagatgaata	420
aatctcac						428

<210> 483  
 <211> 324  
 <212> DNA  
 <213> Mus musculus

<400> 483						
tggttcccta	aggcagccgt	ttcttgccgg	ccctgggagt	ctgctatggc	gttccctcac	60
ctacaacagc	ctagtttcct	tctgtgtacc	cctctggaga	cagctgggtg	gaccgggtgac	120
ctgcaccatc	agattttatt	ttctaagagg	gctcttgcaa	tccctacttg	tttagagggtg	180

gtcagctggc ccaagtcttc agattgaacg actagcatct cctgatctct atttggccag	240
aggccacttc tccatggagt cgggtgtgtg cccacatccc aagactttta ataaatctcc	300
ttggtttctg ttcaaaaaaa aaaa	324

<210> 484  
 <211> 255  
 <212> DNA  
 <213> Mus musculus

<400> 484	
gccctgagag ctgaagttgg gagaactgct tcatgataaa gctgtttggt ctttttgaag	60
ccatgtctgc tattgaaatg atggatccta agatggatgc cggatatgac gggaaccaag	120
tgaatagaaa agttctcaat tttgaacaag ctatcaagga tggcaccatt aaaattaaag	180
acctcagcct gcctgaactg ataggaataa tggacacctg tttctgctgt ttggtaagaa	240
ataaaaataag actgt	255

<210> 485  
 <211> 557  
 <212> DNA  
 <213> Mus musculus

<400> 485	
atcccaagat ggctgggcnt aaacttgctc taanaacccat tgattggnta tcttttgnng	60
aggatcatgcc ccnaaaccag aaggcaattg gaaatgccct ganntcctgg aatgagacct	120
tccacgccag gttgnctagt ctgnctgana aaccacctgc gattgactgg gcttactaca	180
gggccaatgt ggccaagcct ggcttggnng atgattntga aaagaagtat aatgccctga	240
anattcctgt gcctgaggat aaatacacag ncctggngga ccaggaggan aangangatg	300
tnaanagctg tgctgagttt gagtctggat cccagctcan gatccangat tatgagaanc	360
agntggagaa natgacgaac ataattcctt ttgaccanac gacnttgat gacttgaatg	420
agatcttccc agaaaccaag ctggacaaaa agaagtaccc gtactggccc caccagccca	480
tcgagaacct gtgaagcagc ctgggacgga gccccggccg acatgaaata aaacatttaa	540
atagtgaataa aaaaaaa	557

<210> 486  
 <211> 247  
 <212> DNA  
 <213> Mus musculus

<400> 486	
gtcccagccc agatccaagg aacgagcatg cccagaatac ctgagctctg agcgtagtgc	60
ggcccagcag cgtgcgtcgg tttgaaagct cggctccaac ccagcggact tcagaagcag	120
ccggtggcgc agttccccgc cccctcagcc ctgtatcnaa cccanancct gangctgcnn	180
tnttaccnnn agggntctgt gngcanncnn ttantnccac tttcatactg gaatgtgcag	240
gcagaaa	247

<210> 487  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

<400> 487	
aagaggttgg gaggatcatg tatggctatg aaaagactta cctgagagat gagcnctttc	60
tgcagcgccn tctctnntg caggcganga tganagcagt tcttctggat nggctgatgg	120
aggtgngcga agtctatnng ctngcgagag agacgatcta ctngggacag gacntcnttg	180
atcgttncat ggctcacanc agaatatcat aaaaacactt ttacagctta aaaa	234

<210> 488  
 <211> 489

<212> DNA

<213> Mus musculus

<400> 488

aagcctgacc	agacttggaa	ctgaagcacc	ttaaggacaa	aagaaagact	tgctgagctc	60
gctcacagac	cttctagagc	agcgctgggc	tcattggatct	ggagattatg	gacagaagat	120
aatgtagatg	ttataaccag	gccagcgctc	tgtggtaaaag	ggtgtcttta	gatcactgtt	180
tcgtcgggtat	aggtaaataga	catgaagaac	atctttatag	gcaggggatg	agaatctgag	240
atgaagaaaa	gaggctcccc	tgatggacca	ttctaagcta	ctgtcagaag	caggatccat	300
agaacttaag	gacatgattg	caccaattat	cagacattgg	ccctcttaag	gtcatgggtg	360
gatcctttta	agaatttttg	gcttttctng	ctggnccttt	cataaaangg	naaccctcaa	420
ttttttaagc	cttcctattt	ggaaggattt	ttaaaaancc	atctncaata	agtaaatttt	480
cctcatTTTT						489

<210> 489

<211> 390

<212> DNA

<213> Mus musculus

<400> 489

atgcgagcta	cacctctggc	tgcttctgct	gatgtttcct	gcaggaagaa	accgttggag	60
tttcatgaca	atattgatgc	caagtgtcca	gtcctaaaac	gagttagaga	tgagcctgag	120
cccggaaccac	tccccagcct	gctgcccccc	agccacacctc	cgcctcaga	cttgtcacct	180
gctgtggccc	ctgcaactcg	actggggcct	tatatccttt	tggaacgaga	gcaaggcagc	240
tgcatctatc	gagccctgca	ctgccccaca	ggcacagagt	acacctgcaa	ggtgtacccc	300
gccagcgagg	cccaggcggt	gctggcacct	tatgcccggc	tgcttacaca	ccagcattgt	360
ggccccgttc	cacagaggtc	ctgctgggct				390

<210> 490

<211> 900

<212> DNA

<213> Mus musculus

<400> 490

gcttctggtc	tgtggcaggc	aagagaattc	tgcccctgag	gcatggccgg	aagacagaac	60
tagctgagtg	cttcagtctg	cagaagtctt	tcaggattca	gctgagggtg	gcctcagtcg	120
gcagacaaga	tgctcctggc	tctgggactc	acgctgggtg	tctatgcaag	cctccaggct	180
gaggaaaact	ccttcaccat	caacagcatc	catatggaaa	gcctgccatc	atgggagggtg	240
atgaatgggc	agcaactgac	cctggagtg	cttgtggaca	tcagcaccac	ctcgaaaagc	300
aggtctcagc	accgggtgct	gttctataag	gacgatgcga	tggtgtataa	cgtcacctcc	360
agggagcaca	ccgagagcta	cgtcattcct	caagctcggg	tcttccactc	cggaagtac	420
aaatgcacag	tgatgctgaa	caacaaggaa	aaaaccacga	ttgagtacga	ggtgaagggtg	480
catggtgagt	ccgcaagcag	aatagcaggt	tgatgatgat	gctcacgttg	gtgacgctgg	540
tcacgccgct	catggtgacg	ccagaaaccg	gncagtgaag	ctggnnttct	tctccgctaa	600
ctncaccttt	cctgggtcact	acctggcatc	ctgacctgaa	actgtaggct	ttaaaaactt	660
cccgtttgtg	tgnaanaacag	gactttcttc	cctttgggga	atgaagtccc	tgggcctttg	720
ggnaaccacc	cctttccttn	aatcccttcc	cttaaagtaa	attnggactt	accatttttt	780
ccccaaaaac	ccccntttt	tttttttgn	aacaggnntt	tcccctttta	aaagcccccn	840
gggnccaang	ggccttttta	aaanncttn	cnnttggggg	ncaattggcc	ccccttgggg	900

<210> 491

<211> 263

<212> DNA

<213> Mus musculus

<400> 491

tggtgctggag	aagagaaacg	agttggtaca	cgcacagtgt	ttgttggcaa	tcattccatt	60
tctggaacag	aaccttatat	tgcgcaaaga	ttttgtgata	atagaatagt	ctcatctaag	120

tatacacttt ggaatttcc	ccctaagaat ttgtttgaac agtttagaag aattgcgaat	180
ttttatttcc tcatcatttt	ccttgtacag gtcacagtag acacaccaac cagcccagtt	240
accagtggaac ttccactttt	ttt	263

<210> 492  
 <211> 182  
 <212> DNA  
 <213> Mus musculus

<400> 492		
gtggcacaag acttgaaatt gctttgaagg	tgaggacatc ccctccccca cgcagcca	60
cccctcctct tacgtctgta ccttgaaagc	tgctgctgct gcttacagaa ttatatattt	120
ttcttttgaa gagttttaag aagttgtaac	tttttgtgtc ttgtcatgta aaaaataaat	180
aa		182

<210> 493  
 <211> 868  
 <212> DNA  
 <213> Mus musculus

<400> 493		
gaggaggact tacataccaa gcggtctctc	atgcctccgg tgcgctctgg gcactctctc	60
ccgcactttg ccaaagtcgt tttttctgtc	gcgatgtgtt tctgcgaaca ctggggcatc	120
ctctaggatc caccagcccc cacttttggt	tctcagggtc agtcaactgg gagtcctgct	180
tcccttcttt gaccacttcg gcccctcctg	aacacgggtc cctgtcttca atccaaatcc	240
aaagaacaga gtatagccag agttactcat	tgaatgacac ctaaaactta gaccgctgtc	300
cccagtggaac cccagagttg ccacccaggg	ccgttttgca ttcacgcaca cgcttcaatg	360
tacagagtcg ctgtgtgttc aggcacctga	ctctcactcc atccatcacc tctaccagga	420
aagtctttct gccataagga aataaagaaa	ctatggtcca tttgtagtaa gaggcgcgtt	480
taaagctcat cgggtggatta caggaaatta	ggaggattgg gcccttggat tccctagccg	540
gcagcagggt ctttcttgcc taacatttat	taatttatca ttgggttgaa acgttgcagc	600
tgtaaacatg actaacataa aaggagagga	tctgactcca ggatataatg caaagagctt	660
tgcattctgc accggatagg anaagggaan	ttggagaaaa gggtaaattgc ctataagaat	720
ggaatnctcc tggannaact cantaagnn	ggaattttgg gaacnaggga aaatgccgaa	780
nggggtgnatt aaaacctaatt tttataccca	aactgcatng ancagccggt ttttgctttt	840
tttttttaggt tggacaccca acttttcc		868

<210> 494  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 494		
ggggagctcc ttgtatttgt ttcccaggga	gtgattagct cttaaggagt gaaatatgga	60
gttgtacagg aacactaaac gatgtaaaat	aaatgactga agagtggaaa aaaaaaaa	118

<210> 495  
 <211> 276  
 <212> DNA  
 <213> Mus musculus

<400> 495		
ctgacaggta ccgcctgaag natgggttga	agnatatata gtntgggcna gggctgaagc	60
anacngannc tctaaacaat cagnccctngg	agctggaacn cctgattgac tcngcctgaa	120
cgaaagatgg actggtangc atggccatcg	ttgggtggcat ggccctgggc gtggnatgcc	180
tggtctggact cattgnactg gctgtatnca	agtccanac ctgaangnag nctcacctgc	240
tctctgcccc gnacgcctat gacctggggg	acactg	276

<210> 496  
 <211> 391  
 <212> DNA  
 <213> Mus musculus

<400> 496  
 tctgactatc cggaactaag gttcaangct accgatggag cgacttcccc acagcagccc 60  
 tgctgccttc ctgtcagngc tgncttgccg agtgagacca ggctgaggaa ggncacagac 120  
 agctgaatct ggaccagcga cacttcccag gtcctcctg ctgggcccag gcccgcacta 180  
 ccctgccctc tctcaccact tccgccatgc tgcagagcca ccacaagcta aactgncagc 240  
 tgtgggcgtc ctcaagggtg gcatttccct tttcttccaa ccgtggcacc caccatgaag 300  
 ccaggacagc acagggatac ccccaanaa ttctnggcc cccanttttt tgaaanatt 360  
 ttanagggtt taagcctttg gccacacaaa a 391

<210> 497  
 <211> 441  
 <212> DNA  
 <213> Mus musculus

<400> 497  
 actgagggct cctgatcacc cagaccagct cacctatgga gcagaacaaa gagacctgga 60  
 agatggagag acaggaggca gtagctaagg atccaggacc acaagccagc tattcattat 120  
 tcttcaaaga gaaaatcaaa gaagagaccc agaaagaaat ggctgggttct ccattaatca 180  
 tgtcacagcg tctgttgaca tttggggatg tggctgtgga attccccagc gaggagtggg 240  
 aatgcctgga ctctgctcag agggcctttgt acattgatgt gatgttggag aattacagta 300  
 acctgggtctc tgtggaaaag aaacagaccc tttcatgggt ttcaagtaca cctttatctt 360  
 aaaaggaaat gggttgccc gccgtgggtg cgcacacctt taatngcana ggcaggtgga 420  
 ttttttgagg gcccctggg c 441

<210> 498  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 498  
 atgcctcccc gattctgaca gaaaagcagg caaaacagct cctgaggtcc aggcgacagg 60  
 acaggcccaa caaacctgga ttcccggacg agcccatgcg g 101

<210> 499  
 <211> 724  
 <212> DNA  
 <213> Mus musculus

<400> 499  
 ccatgctgac ttattaacag accttagagg ccctgcgtgc ctccaaggag cccttgggtga 60  
 tccaggtgct gagacgcagc ccccgctctgc ggggggacag ctccctgccat gaccttcagc 120  
 tgggtggacag tggcactcag accgacatca ccttcgagca tatcatggcg ctgggcaagc 180  
 tgcgcccgcg caccaccacc atgggcatct tggagccgta cgtcctccct ccctactttg 240  
 ccattgaatc tgggtgggag aggatactgc aggcaccaga tgctaaactt tcctaacatt 300  
 ttgaagtttc tgtagtgtgt cctttgtcct gacacctatg tatatgttca aaatgttgat 360  
 cttccactgc agattttgaa aagccttggt attggtcaag cggggagtgt gttcagtggc 420  
 tccttctgag gagcagacgc ggtgttacat gactactgag agttgagtag aactctctgg 480  
 atgtgttcag atagtggaat tgctacattc tctgatgtaa gtaagtattt acagatgtta 540  
 aatgggagta tttttatttt atgtacatac tctacaacta tgggtctttt tgggtacaagc 600  
 tatgcactgg aatgacangc cttcttttca aaaactggct aaaattttct taatcaagaa 660  
 tatttcaaat ggnatttatg angnggaaac aattattggn cnctaacata tttagaagct 720  
 aaac 724

<210> 500  
 <211> 373  
 <212> DNA  
 <213> Mus musculus

<400> 500  
 gtcacatagc acgacatacg atagcacgca tncntatgtg aagctagggtg tagtngatac 60  
 ttccacagtc acaaatgcgc nccctagcga gcgtagnngna accggcacag agaacagaga 120  
 acatacacia canaaggact ctengngatt tccactgcct tgcngtccac ntggttcact 180  
 agccagacgc ccacangaga ctgtcngacc acagagagcn cacacgtaga cgcggacgcc 240  
 gtggncaaga gtctctgcat cccacacggga cggatggcgg cggctccaca aggtgcgcgt 300  
 gcaccgaggc gcagggtggac cctctcacat ttcacaggnc tgccggncag aatgnccctc 360  
 ataaatgtgt gat 373

<210> 501  
 <211> 424  
 <212> DNA  
 <213> Mus musculus

<400> 501  
 gactgagctt taaaatacaa aagctggggt cccacatgc tgcacatcc aaggctggac 60  
 agtacacaga acacaaatct caaatcagaa gtcctctgaa acagccgtcc tgatgggatg 120  
 gagactcatg ctgagaagat ctgaagatga catacagcat cgccctgtca ggcagccagc 180  
 taccagaagc tagctctcga agcccagcaa gaagtctctt gtggcctttg gcactctgtc 240  
 ccagggaagg accatgcgtt gtgatgtctg ctgccagcag acaagcatct aagagactgt 300  
 gaccctgatt actagctatc aaattgtgtt ttttggaag ttggcctgtg aatcaggcga 360  
 ttcctctgct gacttgcaaa gagntcctc taaataaaag cttatanggt tttaaaaaaa 420  
 aaaa 424

<210> 502  
 <211> 114  
 <212> DNA  
 <213> Mus musculus

<400> 502  
 ccagtgtgca tgcttcantc atgttcacga aatggaggga cagncaggac gaggactaca 60  
 accngatatg ctgatatcat ttagggaggn cangtcttag agcacttaaa gctg 114

<210> 503  
 <211> 114  
 <212> DNA  
 <213> Mus musculus

<400> 503  
 tctcctctaa gccatgacct catccttaac ctgactcagg acgggatcac actactgttt 60  
 gatgctttca atcaagtcag aggcatttaa taaaattatc tacacaaaaa aaaa 114

<210> 504  
 <211> 249  
 <212> DNA  
 <213> Mus musculus

<400> 504  
 aatgctggca aaggatgaac tgggtgagcat acttcagcgc tgtattgagg ttttagattc 60  
 ctctactgaa aagcagcttg gcaacacaa acagaaaata aaggatttcc tgaccagatt 120  
 tcagaacctc gatgntnana nnnaggaaga ngatgnntcc ngntnatanc cnacggngnt 180  
 gctgaagaca aaccacntt ntatctnctt aagacttntt actagtgatg naacttctga 240  
 ggactacta 249

<210> 505  
 <211> 122  
 <212> DNA  
 <213> Mus musculus

<400> 505  
 gacgtctggg gagctcctgc nttagggttag atctganggt tcccagactg ccttttgaga 60  
 ataaaatggg aggccagaac caaagtcttt tgaataaagc accacaactc taaaaaaaaa 120  
 aa 122

<210> 506  
 <211> 406  
 <212> DNA  
 <213> Mus musculus

<400> 506  
 gaaacggagt gagtggaatg gtaccacagc acagagggag ccaacagcat cagacttgct 60  
 cttgacaggc atgcctgggt tnaaatctgc catgaanagc caggaggtgg cagggntcca 120  
 ggangntcng ggcntaatcc ttngcccaag tttttgacnc ccatggggttt tggacacagg 180  
 gtttttttcc cgtggcccta aannaatttt ggcacaaacc gtggtttaca attttcnngg 240  
 gggcacaatg gaacntngga ccccnaaaaa ccacctnttt cnaanaaggn gcccnngana 300  
 aggggaattt ngggnttttt ccccaantcc ttgggtttttg gaaanaaccc ccnaggggnc 360  
 cnagggggccc ccttttcccn ggggggaacc caaccggccc aacttt 406

<210> 507  
 <211> 809  
 <212> DNA  
 <213> Mus musculus

<400> 507  
 caagcccaga tggcctggca tggagagaca tactgactga ttggaggcta ccgtgtctac 60  
 tggagatgca cngattccca cacctgcaga ggctgatcaa gaggantang ccagtgccca 120  
 ggcgggcttc caagagacag cgagntnagg aagaatcggn tcaagatcta ngctgtnccg 180  
 gtgcaaaaagt tcctngcctg aaattgaagc atgggtggcaa agggtanccc cacattanat 240  
 gctgcctgag catcctggaa nagangaaag gctgctagct gcctcangag gttgagccct 300  
 cttcagcaat gccctctact gaacaccaat gtaggcagaa ccacagctgt tctgcctgca 360  
 tgctctgcag tcaagagccc acctgaatgc caactatccg tgagcaagaa gtctcagagt 420  
 agagttgctc tgacagcacc tgtctcttgg tcctctagag gcgtcttggg aagcagaaaag 480  
 gggcgggtctg ctctgagttg agctgaattg aggagacaaa gtgcagagag aagatacaga 540  
 gggaccaaac cggactgctc tctgagtatg ctctgntctt gaatcatgcc acagncacca 600  
 gcacaagcca ggagtggctg gactttctaa acctggaaga aatgagcagt agttaataaa 660  
 ggagattctg gctaagatct tangagacag aataagaccc cgggcgaccg ctactgactg 720  
 aactgggac aatcagcaac cattcaacct accaggctct gtcttantta gtatntggct 780  
 gggactgggg agcctttgca caatgattt 809

<210> 508  
 <211> 295  
 <212> DNA  
 <213> Mus musculus

<400> 508  
 ggtgtaacgt ggtcattgct tcccgaagc tggacagact aactgctgct gtggatgaac 60  
 tgagagcctc tctgcctccc tccagctccg ctgaagtctc cgccatacag tgcaacatca 120  
 ggaaagaaga agaggngann nntctnggca aatntacctt agctnannnt ggnaanatca 180  
 acttcttggt cancaatgga ggaggccann agangntcc ngtggaatac ntcnatgna 240  
 ngggatnagc atnctngat acgaaaccan cctgacnggc accttctaca tgtgc 295

<210> 509



<211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 509  
 atgaggcacg cagtgaaggt gaacggggaa gccactgttc tgacaacgca cttctctaaa 60  
 cttccatggc catctccaca ggaaacccag aggatctgtg agcaagtccg tattgccatn 120  
 gagganntaa nnatagtgtg ttnttcactt nctaaggacc agggantnac cctgagaaag 180  
 ctngtccnna angctgncct ggacattgng gacnncangg ntcaagctac tgnaannngt 240  
 tnttactgct ccatctnana gnactgaaga atggagacct gatttntctgc aatagtgtct 300  
 cagtcgcatg ccaacaggtg cctgagatcc caaaagatan tanagccgca gnccttttga 360  
 tgctgaccan tagtgnggat tntgtgaaaa atgcacatta 400

<210> 510  
 <211> 186  
 <212> DNA  
 <213> Mus musculus

<400> 510  
 ggaacaaatt ctattatctt ccttcctttt aaagntgacg gaaattaaaa tgattgtacn 60  
 gaagctgcan cataaataga ggcttgngctg agtgganacc gaagtngngaa ctaccctnca 120  
 cantatgatc ctgaaaaaga agtattttaat acattataaa aataaagggt tcaatctatc 180  
 ccatta 186

<210> 511  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 511  
 gctgagaaga aagccaagggt aattgcagta atgaatgctg tggaagagaa ccaagcctcg 60  
 gtgctgtggg ccttgngggc atttgtccga gttcaataaa ctactacatt ttttaaaaaa 120  
 aaaaa 125

<210> 512  
 <211> 155  
 <212> DNA  
 <213> Mus musculus

<400> 512  
 attccaaaat gttgcgngtg ccagcagctc anaacgtgna cggttcgact gataaggcca 60  
 ctccagctgc aagagaggan ctanacgggg cgaaagaana ancggagccn anacaagttc 120  
 atcctgttca aagctcaatt ttactagtta caaca 155

<210> 513  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 513  
 tgttgctgtt gacagagacc ttttctcttg aatcgcggtg agaatgggtat angactttga 60  
 ggacctggat tggcctgcgt gcacaccatc aacactacac ttgctgctgt ggactccact 120  
 attcctgggt ctttgtttctt acttctttgt acagtaaatt tacttcagca gtgaaaaaaaa 180  
 aaaa 184

<210> 514  
 <211> 295  
 <212> DNA

<213> Mus musculus

<400> 514

actcatccct	ggaaggcatg	tgtggcactg	ancatgccca	gctgggggaa	gatggncagc	60
ggccgccgng	gngcacttca	actacctnat	ctnantctga	gccttcatag	cagctt tangc	120
accaaggcaa	gaccttagca	tccnaggacc	ccaaaaagaa	gcnagctcan	aagccctctc	180
acatgagaag	aaacatacta	catgaanttt	anaacagatc	aataaactat	cancaacaac	240
aganaactcc	ccataaaaact	gagtcaccaa	agggaaaaat	gaaagataat	attga	295

<210> 515

<211> 107

<212> DNA

<213> Mus musculus

<400> 515

cactaagagc	actggatagn	taagggtcaag	gagactctca	caaaggatcc	agagaccttg	60
ggagaaggac	aacaagaatg	agtgtgtctc	tggtaaatac	accacag		107

<210> 516

<211> 474

<212> DNA

<213> Mus musculus

<400> 516

gactgagacc	ctgtgatggt	tccagtcttt	ggctactgta	tcctagcaca	ggatgctgct	60
ttgtactacc	agtgttcaca	agcttgagac	tgtttatgac	cataagtttc	taaagatgtc	120
tatcaaagaa	tcttgtgcaa	aggaagaaaa	gtctcagaaa	aaacagacta	tctcttcacc	180
aactttttaat	gaagacaaga	aaaagggaga	aatctcagcn	ggttctacta	gttcanaaca	240
tggtgttcag	cctgtttcaa	ccaagaagag	aaaactgaaa	gcagatgata	cagacaatgt	300
agactataat	gcaaacagaa	aaaacagtaa	aagattgaat	gtagaagttt	tcattcctaa	360
aaagagacta	aaattcantt	cttcgaccca	agcggnatca	tatttaaata	ataatcnaat	420
gacttcacac	aggtggtcat	naatnggacc	taaagatcct	aagggttaaag	atgg	474

<210> 517

<211> 376

<212> DNA

<213> Mus musculus

<400> 517

ctgaggtgct	gatattttcca	atgttttgcaa	tgaagcagca	ctgattgctg	cccgccacct	60
cagcccttct	gtccaggagc	ggcactttga	gcaagccatc	gagaggggtca	ttggaggcct	120
tgagaagaag	acccagggtcc	tacaacccag	tgaaaagaca	actgtagcct	accacgaggc	180
tgggcatgca	gtgggtgggct	ggttcttgga	gcatgcagac	cctctgctga	aggtgtccat	240
catacctcga	ggcaaggggc	ttggctacgc	ccagtacctt	ccccgcgagc	agttcctcta	300
cacacgagag	cagctcttcn	accngcatgt	gtatgatgct	ggggggtagg	gtaactnaac	360
aacttgtctt	ttttca					376

<210> 518

<211> 276

<212> DNA

<213> Mus musculus

<400> 518

ttgtgtggcc	gaatanagnt	tccgagtgcg	aatgctgnaa	gtaccaggcn	ngcnggtctg	60
nctaattctgc	cctgnccata	tgcctngaaa	actatgcanc	aagcatggna	tctcgggnat	120
cagcttgcta	taagcngagn	tgcgcnnnat	ctctgcttgc	gantgctaata	gcactggncn	180
tgaantgctg	accaggactc	cacccgacct	gnttgccaag	ccantagctg	gatcacaatg	240
angctcangc	tnaccccgga	acgtaaggat	ctacag			276

<210> 519  
 <211> 271  
 <212> DNA  
 <213> Mus musculus

<400> 519  
 ggaaaggaaa gtctctccaa caacgtaagg ccaagcctcc gaagaagcag gaggagaagg 60  
 agaagaggag ggacttgggg gtgtatctaa ggagcagggt agagtgccag aggggtgggt 120  
 gggaccctga cttcactggg atatctcggg gagggggcac ttgtgccctc caggtgtctt 180  
 ccaagatggc taagaacaag gacttgccag aaagtctatc tgcacccatc agagtttaat 240  
 aaatgtcgtg ttcctcccc aaaaaaaaaa a 271

<210> 520  
 <211> 328  
 <212> DNA  
 <213> Mus musculus

<400> 520  
 agactgggtg caacaaaacc tgtctcattt gaagggtgctt gaacaaatat tttctaaaca 60  
 cttgtcatgg agagtgattg aaacaagctg ccaggactac atttgccaat aacaagcatg 120  
 taggtggctg tagtggatgt ccaacttttg gagctgtgat gtctaaaaac cctttattgt 180  
 tttgggtgca gcttacatat tggaaggtaa aatgaaggcc atgaacaaag tcaanaagcc 240  
 ataaacagaa gcaaattggg aaaattaata tcttaattta atattaataa gnnngnatata 300  
 aataaacagt tattcttaaa aaaaaaaaa 328

<210> 521  
 <211> 153  
 <212> DNA  
 <213> Mus musculus

<400> 521  
 agcaagctgc acatgagctn tactagactc tgggagggan aagtngccaa gtacttctga 60  
 accatntttt aatacttgnt ttgtcatggn gaanttatag cagntatccc aaaatgnttt 120  
 aattatcaaa atactgnctt ttaaaaaaaaa aaa 153

<210> 522  
 <211> 283  
 <212> DNA  
 <213> Mus musculus

<400> 522  
 gtctgggcag ctgagtctgc atctcatctg ctctgctggg ccgcgctgcc cgggtccctc 60  
 tggatggagc tggaccagca ggcagagctg cggtcctgtc ctttgctgag agctcagtgc 120  
 tgcggggtct caggtcagct gggcgcttgc agcctgcgtc tccgcagtct gggagggtga 180  
 ggcggagagt cgtggggaac cgtgggtttg ggctcttgta aggggatttg taggaaaacc 240  
 gcgaggtgag cccgggttct atgcacgttg tcaaaaaaaaa aaa 283

<210> 523  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 523  
 ctgggaaggc catgctttcc ttggctagaa atctatTTTT ggaagtgtga agtggngcca 60  
 nagtgtgaaa tggngtanta tcccttgatt ttccataaaa cctgt 105

<210> 524  
 <211> 402

<212> DNA  
<213> Mus musculus

<400> 524

gcacgcacatct	gttcctgccc	tatcggaact	cgaagttaga	gccgtctcag	agcacaagga	60
tctggatgca	acctggtaac	tgcgcagcac	tctcagccaa	attcttatca	cctcagagga	120
ctcaggatct	tggccagagt	caaggagaag	acagaatctc	ctagaagcct	tccctggaca	180
tcatctctca	ggactcctat	cctaagcctc	cagtgaggag	gacatgctgt	tccaatctcc	240
ctgaactctc	agtctttcta	cctaagaaga	cagttcctct	gtggaggctt	ctgagtagcc	300
caagcatcca	tcgttgatcc	ttcacatccc	acagggtctt	gggttccttg	aggacaaggg	360
ctgcattgaa	ctcctttcat	ggnnccctta	accttaaggg	gg		402

<210> 525  
<211> 365  
<212> DNA  
<213> Mus musculus

<400> 525

catctgcaga	ggcagagctt	anagtgcagg	attctggata	aagaatactg	agacaaggaa	60
ggctttatct	gctccttagt	cgtcctctgc	acagcacacg	tcatcccacg	tgaccttacg	120
ccatctttct	tccctggcgt	ggcgtcccac	tccactgcgc	agacgcggaa	gcttcgctaa	180
ccggcgcccc	aagttgatta	aggacttctc	cgccggtggc	accccttccc	aggtctgggc	240
tcggcatggc	cgcactgctt	gtacggagcg	tggtggcttc	ggtgggtggac	ccgttcctgc	300
acctgagtcg	cctcgcggtg	aagccccgag	tcttctcctc	gttcctgctg	gggacattgc	360
cacgc						365

<210> 526  
<211> 108  
<212> DNA  
<213> Mus musculus

<400> 526

tgectacttg	aagaatcngg	aagaggngat	ganggacact	attganttn	tnacacccgg	60
gtcctgactn	tagcatcttt	tccatgttct	gnctgattgg	actagctc		108

<210> 527  
<211> 281  
<212> DNA  
<213> Mus musculus

<400> 527

cagcttaact	ctgaagaaac	ttggtatgct	taaagaaatg	gacanagann	tnaactnagt	60
agncatngct	gngaagctgc	agggtncaaa	aaggatnctn	cggtccaatg	agatnatcct	120
tgacagccagn	ggcctgggtg	agacagagct	ncanataacc	ttctccctcc	agtaccctca	180
nttccttaag	ccgagatgcc	nnngactgc	agatnatgtt	gcncaggagg	aagcgggtcaa	240
naacctgaac	tatctnnggc	tataaaacct	tagctgtgcg	a		281

<210> 528  
<211> 112  
<212> DNA  
<213> Mus musculus

<400> 528

ggagtaaggc	atgccgaggc	ttnaggctac	gtgactttcn	cnatgctgga	agatgcacag	60
agggccctna	aggagatcac	tacctttgaa	ggnngnacga	tcgaagcgac	tg	112

<210> 529  
<211> 368

<212> DNA  
<213> Mus musculus

<400> 529

aggatctatg	actaagcttg	cctagcgatc	cctgacctag	tctagtcagt	gtgactacca	60
acaacagcca	tgaagaccaa	gaaggcacia	gaatctaacc	atgacctgaa	gttcaagctc	120
ataatttctc	ttcttgagta	agaaattaag	atgttccagg	aagatgagaa	acttttataa	180
actgctgcca	agctctgggt	tgcagaagac	ttcacagaat	ggaagggaata	aaaaaactcc	240
agcagaggct	ggtagagggt	ctnagtgggt	aagagtgcg	actgntcttc	caaagggtccc	300
cagttcaa	atcccagcacca	catggngggt	taccaccatn	tgtaacgaaa	atctgattcc	360
tttttttg						368

<210> 530  
<211> 428  
<212> DNA  
<213> Mus musculus

<400> 530

ggaacaaccc	agactggatg	tctcccttgg	caaancnnnn	tgnacacnna	ctgtncennng	60
aagtncctta	ctgatggctg	gantgatccc	anatgcctgt	agaaagccta	ccccagntng	120
antgatgact	nacaaaagng	gccccngag	ggtaggcana	cagntgcgg	ccaggnncgn	180
cgtgaggctc	gatcatcccc	aacantgtct	ttctgctnac	caaccctttc	caactggcctt	240
gtgagttctg	ttaaatttctg	gacttccaga	gctgacaggt	ttgttaggggt	tttgagtctg	300
tgaacctccc	ttcagcccaa	gaaagaaatc	ttctcatcta	gaggaaagct	atatgacacg	360
tctttacgtt	tcttcttcat	caactgnata	gaaaaatttt	gaagtcaaaa	tggtttccaa	420
cttatggg						428

<210> 531  
<211> 152  
<212> DNA  
<213> Mus musculus

<400> 531

gctgctgaga	accagctcta	gatctctgct	agagagtcct	ccttctgcac	aagttcccgg	60
tgggataacc	tgccatgttt	ctctgaaact	gtgtgtacct	gttgtgaagt	ttttcaaata	120
tatcatagga	ttgttactgg	taaaaaaaaa	aa			152

<210> 532  
<211> 189  
<212> DNA  
<213> Mus musculus

<400> 532

accgtggctt	ttgataccta	tttattttaa	canttggggg	gtggntgngt	gcattctgaga	60
ccctgaagag	cagggaactg	agatcctggg	ttctgggggt	tctatgaaat	ctgttcacag	120
tgtcttcctc	acttcctaca	ttatttatta	aacgattact	ttttatatta	agaggaggaa	180
ggaggggaag						189

<210> 533  
<211> 140  
<212> DNA  
<213> Mus musculus

<400> 533

aaaacaaccg	aggggatcaa	actgngctca	ttcttontgc	aaaantgcga	canaagtctt	60
acgganatga	aanacgattt	ttttgccctc	ctccttgtgc	gtatcttatg	ggcagtaggt	120
tggaatgaaa	agcaaaaaaa					140

<210> 534  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 534  
 tgaagacaac aaacatcatg gcataacttca gtattacatt tatttcattg gaggtgactc 60  
 ttgggcctgt gcatggacac ccctttaaga caaattcagg gagatgaatt tgacagttct 120  
 accgtagtgg taagctgggtg gaagggtggca cccgaacaaa tataatttgg cacatatttt 180  
 taaaa 185

<210> 535  
 <211> 320  
 <212> DNA  
 <213> Mus musculus

<400> 535  
 tctatgctac agcttaacca gatnncggaa tggacancaa ctgcntctgc tacancgtnt 60  
 ggctcctgcn cttgcacccat ntncctgcgcc tgcacanaac atgcagatgc angtncctgca 120  
 ngaataagct gntgctnntg ctgtcaccgt gggcatgctc caaatgtgcc canggctgag 180  
 ntatgcaaag ggcgccngna caagaagcac gtgctgggcc tgatgtgacg aacagcgctg 240  
 gcaccacntg gaaataggat cgggacaanc ccanggggtnt tcctatgcng ntccaccnct 300  
 gtttactaaa cccccgtttt 320

<210> 536  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 536  
 ctgctcactt ccttccctgc cagggacgag caggggtcga gaggggctgn tcttctagct 60  
 gacttctgnt ttcctctgga ctgtgcttcg ccagctgtc caggagccan cgatggcctg 120  
 cgggtggact tggaattnag ggtcagaatg gcnagggctc aaatggcctc tgactgacag 180  
 cttccnactg atgcccgntt acttccaagc ncaaagaaaa atccagggnc caanagagga 240  
 tctngtccgc cctggcctat t 261

<210> 537  
 <211> 248  
 <212> DNA  
 <213> Mus musculus

<400> 537  
 atgcagcatg gctacccagg gccaaagggtg aaacaggcta cagaatggag aacgagaatc 60  
 tggggacagc cctgaagatg ccactagact gcctttccac ctgaggggtat gtgggaagga 120  
 caaatgggtg naccngtggg cacncacacc tgangcacat gtgccgtaga cccccaccct 180  
 canccccacc cngtatgatt tcttnattgc tgcttgact tacctntccc atcgtcttgg 240  
 agaataaa 248

<210> 538  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 538  
 ccccgaagtt cggtggatag agcgggntga gacctggnga ctcnngngnc acacngcctg 60  
 agacttgggc agctctctgc tccctgccag actcctnngc ctggaacagg tgccacactc 120  
 cccacanaag gaaacctgac ctctgggtcat gtaagcccan aacagagntc tctatgctaa 180  
 tganggacct nnaggccctt gagggctcac ca 212

<210> 539  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 539  
 accaacatac tggaanaaaa gaaccaagat ccgcaagtca tgctttgatt tccacgagca 60  
 tgcccacata tataactccc acacaataaa taagcatatg tgtgtgtaaa aaaaaaaa 118

<210> 540  
 <211> 381  
 <212> DNA  
 <213> Mus musculus

<400> 540  
 gccaatctgg aaaagaaaca ctctacatga tgaccatagg gacaactcca ttttgggggt 60  
 ataacgaagc agaggagatc aacggatgca tttacacagc ctgggggatga acagagggag 120  
 gaagccctca caggcatcaa agctacctct ggatcccaga ggttgatgga gacgtgggag 180  
 gagggttgca gacacagcac tgtgggcat taccacacag gaagaagcaa gtagcaacag 240  
 aacacgccct ggtgcaggcc cgcacagagg gaaggatgag ggccactccc ggaaaggaac 300  
 aaaaataata aagaggaagg ctcgatcgct atggtgaact ggaccacaca cagcgggggc 360  
 cgggccagga catggcctgc c 381

<210> 541  
 <211> 328  
 <212> DNA  
 <213> Mus musculus

<400> 541  
 gcctttgaga aagtgggtcaa ggaatgtgat caaggaggta agcnnacagca gnggcgatct 60  
 nattccggtg gacagcctgc ggaactccac cagcttcagg ccctactgcc ttctgaacag 120  
 gaaattttca agctcaaggt tctggaaacc ccgttattca tgtgtcaacc tgtcaatcaa 180  
 ggacatcctg gagcccagtg ctccagaacc aganatntnn tttnacatnn tgatnncna 240  
 ngattgaaca gaagggaatg ggcaaagccc agcctgccat ctaactgggc atgttcaact 300  
 ctactcctct ggtcctatct ccagagta 328

<210> 542  
 <211> 309  
 <212> DNA  
 <213> Mus musculus

<400> 542  
 ctccagagtc gatggagaag ctccaggccc agtactgtta cttatgttca gaaaacatac 60  
 ggaaaactaa tcctttcata ctgaatatac tccaaaaact ggatgaagaa attgaaaagc 120  
 gacccaaaga aaaatttacc gtaaataattg ctggtaacaa tcgcttagac tccggacaaa 180  
 gaataacagg ggaagacttt tggcttcttt ccaaaacttt aaggaaccag ccatgtatca 240  
 gtggtgtgga tgtgaggtat aacctcatcg gcgatgtcgg tgccttctat gctgcgaaac 300  
 tacttcagg 309

<210> 543  
 <211> 166  
 <212> DNA  
 <213> Mus musculus

<400> 543  
 tactaaaatg gccctctaaa tagcccaaca attattatct tctttgtcct atggatttgg 60  
 ctttgaaaga tgtgctgctc ttaataaggn aaaaaccaac ttttgnagct atttcatgng 120  
 ntaagcacat tcaaaagttg ctagttnaat aaatgaggtt cttaag 166



<210> 544  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 544  
 ccaaaggact tcatggcaac ccgatttcta gtttcctgac atgtttctgt acatttgctg 60  
 tgccagggga tcaagcctga ataaatatcc tttgtcatca aaaaaaaaaa 109

<210> 545  
 <211> 448  
 <212> DNA  
 <213> Mus musculus

<400> 545  
 gactgagctc ctatatctta aagaagctgg atagcatctg aggacgggca gtcagggtgga 60  
 tgcattggcat gaagacctgg tgacggcttc tcctcctgtc tgcagctgaa ttggcccaga 120  
 aagggtgtaag gctgattaaa cggacatata aactacttgt tgagaacaag taggactttg 180  
 agaactgacc tccatagctg aaatataaag ccacttggga agtgcaaaaa gatgtcttgt 240  
 gttcatgggtg cccttagggc catgaactcc acccctgtga gtgttgatgg agtgggttaat 300  
 aatgtcaggc tctaagggga gtcatttctg tttaccactt ctgttcaaag tggtatttgt 360  
 gaagtctgtt tggaagtcag catacaccca caatgacatt taagcacagt ctatatTTTT 420  
 aataaacatt ctgatgaaga aaaaaaaaaa 448

<210> 546  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 546  
 gtacacggtc aacgttcttg gggcccactt ctgagtttag aagacctatt acaaaaagtg 60  
 aagaactaga ctgtgggaaa ataaatggct tttgactact aaaaaaaaaa 110

<210> 547  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 547  
 atggcatcga agattccctt tgccacagat ctgacagact atganaaaat gccagtgagn 60  
 ccatttggga aagtgaagcc cagcggagag gggacagcac aaaggcctat agaaatangt 120  
 gcctcaccat tagcagagct ggaggacaag ataaagcggc acacacagca gatccgcact 180  
 cgaagtttcc tgggtacaaa ccantgcaa gacattaana cagccaacca ggacctggaa 240  
 accactaana aacttcagga ggagttaang aaactgaaag tggagatgac cttgancaaa 300  
 gacntnctnt ttccattctt tacttggaac cctttcactt naccaccag catnacagcc 360  
 tcaaaatata ttttttaaca cgaaatccta 390

<210> 548  
 <211> 393  
 <212> DNA  
 <213> Mus musculus

<400> 548  
 gcacgccccca aaggtgaggg tctgacgccg taccaaggca agaagcgctg ctttggcgag 60  
 tacaagtgcc ccaaagtcaa gagaaaatgg atgagtggga actcttgggc caacatgggg 120  
 caggagtgca tcaagtgcc catcaacgtg taccgcaca agcagagacc cctggagaag 180  
 cctgacggcc tggatgtgtc tgaccagagc aaggagcacc ctcagcacct ctgcgaaaag 240  
 tgcaagggtcc tgggctacta ctgtcgccgt gtgcagtgat cttggccacc actgtagcac 300

ccctcagctg	ccacctccct	gtgttgccca	aagggctgaa	tgtccgcatg	cttgaggaga	360
tgtcacgggc	ctgtgggttt	aagcaaaaaa	aaa			393

<210> 549  
 <211> 505  
 <212> DNA  
 <213> Mus musculus

<400> 549						
tggaatccaa	tccacagctn	tcccttgctg	accagntnct	tgaactgacc	acagtannta	60
aaggccngnn	tgagcnnctt	naagatctta	catgtgaccc	anctgctgct	gntgnnccca	120
gtaagtgaca	gacagcacca	tggagcacta	gctccaacta	ctactcaccc	tccaagtgag	180
gcggtgcca	gtgtgagcaa	tgaggggcag	tgaggctggg	ctgggaagtg	ggggtcagca	240
gtgttaaggc	tgtaggctat	cataatgggg	gttagacagc	aaagtaattc	ggtcagatga	300
gcagggtaga	taagtggctg	cgcagcaatg	agggtggaca	gaaagggtgac	agctggggta	360
agtctggaga	agtgaaggag	aactatacag	tgggaagcaga	gacacaaacc	catccagggg	420
tgacttcctt	ttgggtgcct	cagagacggc	ttaacttcac	tcaatgtgta	gaaagaaaaa	480
cgaatttttc	tcctaaaaaa	aaaaa				505

<210> 550  
 <211> 154  
 <212> DNA  
 <213> Mus musculus

<400> 550						
gtaccccaga	ggttccacac	aagtaccaag	ttggagaatg	ggtatatgtt	aatagacatt	60
gtgctgaaca	cttggaagca	aagtggagag	ggccgttcct	ggtggttggtg	accaccccaa	120
cctccattaa	agtggatgaa	gtaacaaaaa	aaaa			154

<210> 551  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 551						
atgccacagg	acagccaggg	ctaacacaga	gaaaccctat	cttgaaaaac	aaccaaaagg	60
ggaaaaaaat	caatctggaa	gaaaagctgg	cttattaggg	ctaatagtgt	gggatttaaa	120
tatatacaac	catggctt					138

<210> 552  
 <211> 153  
 <212> DNA  
 <213> Mus musculus

<400> 552						
cagacctttg	ggggagcaca	naaaatcatg	tgtggatcct	agacactgga	acaagaacct	60
gtgaagttaa	gttgcccttg	agaccctgag	atattagaga	tgccagcgtc	gtaggatacc	120
tgtgaggaaa	gctactaaca	cggagtagaa	agt			153

<210> 553  
 <211> 380  
 <212> DNA  
 <213> Mus musculus

<400> 553						
ctctgatccc	gcttgctgtt	cctactgaca	cctgagccgc	ggtggccgat	gctgctgagg	60
cccttccagc	ccacgagtca	acctacttga	ttgnnagcca	tgccttagt	gaaganaanc	120
atngaacccc	ggnacctgng	ccggagcgcc	ctgccggaag	gagtcaccan	ngagcnggaa	180

tgctgacca	acagcacgt	cgctgcaatc	atccgccagc	tgagcagtct	gagtaagtcc	240
cctcggcatc	cctggctacc	gctgggtatct	tacagacttt	acggtaccca	gtggatttga	300
cttgtgagtg	gcaactgtga	ggaaaagcgt	cttcctccat	acgccacggn	caatgactgt	360
gtcaagccct	gggctgctgg					380

<210> 554  
 <211> 259  
 <212> DNA  
 <213> Mus musculus

<400> 554						
ggtgttgtgt	gaaggtgcct	gaggccagaa	gaggctgtca	gatctggagc	tgtagttgca	60
gatggttgta	agccaccgaa	cacaggtctt	tctgtaactc	ttccaaagga	agcaatgatg	120
tggctcgtta	gacccgaggg	cgaagctgca	gccgtgcact	gaagcagatg	ggaaaagctg	180
aactcgccac	ccacgagcag	cgccggcagt	gagctccacc	cagcatgaca	cggcggccca	240
ccctccacac	aaaaaaaaa					259

<210> 555  
 <211> 394  
 <212> DNA  
 <213> Mus musculus

<400> 555						
caaaaactgta	caatctaaag	tggactgcat	tttgcaagaa	gntgagaagt	nnacagacct	60
atagaaactc	tacctctacc	ttnaactgcc	ttntggncct	ancagngcag	agaanannga	120
tcngaangcc	atgtcatcta	gtcgggcaca	gcaaatgcat	gccttttctt	ggattcgaaa	180
taccttagag	gagcatcctg	agacgtcact	ccccaaacag	gaagtctatg	atgaatacaa	240
gagctactgc	gacaatcttg	gctaccatcc	attaagtgtc	gctgactttg	gaaaaatcat	300
gaaaaacgtc	tttccaaaca	tgaaggcagc	ccgttttaggc	actagaggca	aatctaaata	360
ttgctacagt	ggactaagga	aaaaagcttt	tgct			394

<210> 556  
 <211> 297  
 <212> DNA  
 <213> Mus musculus

<400> 556						
gtgggtttgg	gctgagctcg	agtcctcacc	agagtcttca	nanataangt	ncngaggann	60
tanatntgan	gcccagcctn	gngggctnaa	nggaaaccta	ctatgnacaa	aanaaaggcc	120
tacgnggaa	tgcaanacct	gncanncagg	caccatgggt	ggcagccatc	atgcttncat	180
gaccattggg	cctgctggnc	tacctgggtc	tagcccagga	agccaccagg	taggttaggg	240
tggtcagtgc	cgagtctcct	gcagacacag	ntatacctgt	ctttctgcac	tggtcca	297

<210> 557  
 <211> 208  
 <212> DNA  
 <213> Mus musculus

<400> 557						
tgagttccct	ctgagggact	cggcagctcc	gaaccaagct	gtggatctgg	ctctctaagg	60
gaacctccag	aaactcagct	tgtgggctga	gccaggttct	gtcatcgaat	cagggaactc	120
tgtgaccatt	tggtgtgagg	ggaccatgag	aaccctaaaac	aagtaacatg	gaataataaa	180
actattttaa	ttggcaccaa	aaaaaaaaa				208

<210> 558  
 <211> 389  
 <212> DNA  
 <213> Mus musculus

<400> 558  
 tgtccggaag gcagaggcaa actcatctcg gagagtttct gaacttgtgt ggaaatcagg 60  
 atgtgtggga attgaattta ctcaagtgcc aacttacctt aaactcctaa tcctccagca 120  
 cccccccgca actgctgcga ttataggtct gcaccattat acccggctct ttagggcctc 180  
 ttaaaaagag ggagcaaatg agagcgatgg ccccggtgggt gaagttgttt gccactgtat 240  
 caacaatgct agcctgacaa cctgagttgt ggaaagacaa aatgaaggcc acagagatgt 300  
 cctctgactt ccacactggt gcagatggca aatccaccca cctacgtgtc acacacacat 360  
 aacaacaaca ataataataa taggcatat 389

<210> 559  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<400> 559  
 gtctgcaaac atgcatgtac acaccatac ctcaagagagg cnttgcattc ccggnctaag 60  
 nncaagancc atgcntacac atatggcgtg nggagaagnt gaagcnggtg ccnatagcac 120  
 ggagagagcc atggnatctt tttntctggg gactactnnn tagtgcttca nantggccga 180  
 taggatgant gccgntcang ntactgtgct gcttctactc ag 222

<210> 560  
 <211> 250  
 <212> DNA  
 <213> Mus musculus

<400> 560  
 gtcaatagaa tcttcgtccc ctgcgcttga gcttcaagtg cacctcctct tatcatgcca 60  
 tccctctaca ggctgggaaa tctgccaaca gacgatgacc tgccttgact ctgcctgaca 120  
 ggcagacttt cttttttnt ntgnntnaaa naancggnaa acagntgntg acanangtgt 180  
 gtgcccgtgc gtgcgtncgt ncgtncgtgn ncnggggtng aangggngcc ntttgaggcc 240  
 aaaatagggc 250

<210> 561  
 <211> 262  
 <212> DNA  
 <213> Mus musculus

<400> 561  
 gagtggagcg agttgcaggt anctgaangg cacttncagg cctagaggga ttgttctgct 60  
 gccaaaggaan attntgcnat ggcttgtaen nacatatgaa cggtgnttgg atatnancga 120  
 tttttagngc cctgaagatt ttgataccna ccagagtctn ctggaaanag cttgtcctgn 180  
 ataccangng gatgctnanc tcatagttga atcatncccc ancttcactg agcagacctg 240  
 atctcagaag taacactgac tc 262

<210> 562  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 562  
 ggacggagcg attctnacgg aggaaggagc acgccaacag ggcctgactg cgtacagaca 60  
 tgtccccctc aataaaattg cagttgaaat ggaaaaaaa aaa 103

<210> 563  
 <211> 242  
 <212> DNA  
 <213> Mus musculus

<400> 563  
 ctttcctcac tgaagttgct gctctgnagt ggaatctcac actcagctta agaaagtcaa 60  
 gtgatacnga ttggagccat cantcatact ggggaagcta nctnaactac ccngaacttg 120  
 atnnatggga aanaanggt ttccnagaca actngaance ntggatgatg naatgggtat 180  
 tatgcccctn aaataccaat atagcctttc atctttttct gaaagtatta ttctcataag 240  
 ga 242

<210> 564  
 <211> 423  
 <212> DNA  
 <213> Mus musculus

<400> 564  
 gcatggcgcg ccggatgcct tcagggcgnc aagcacctca tgntcncctt caacctgctn 60  
 ttntgggaca ttgccagagc caccaacatc ccanagaaca aacaagacca tggcttcctg 120  
 cattgggcag ctccctgcta cccatatcac aaatataagc tgttacagga naaatganca 180  
 naancaagaa ncntnggaag tgcgagnaga ntttnaangn gnantntgna gaanactnga 240  
 aactgaagcn aatnacagat ttcaagggna ntcttgtgct tggaccctgn tnacctgaan 300  
 atgaatcctn gntanagtgg ctanagatgcc angttctgcc tagctaggcn nactnacaac 360  
 ctctgcaggn agagccttgt gtcttttagct atgganctgt accatagagt gtgcattcct 420  
 ttg 423

<210> 565  
 <211> 197  
 <212> DNA  
 <213> Mus musculus

<400> 565  
 ggctttgccc tctcagaggc catggggctc ttccgcatgt gacgcagccg tctctacttc 60  
 cagctctcaa ggatgggttct ttctgtcttc gtctgccctg tacggctcctt ttctgtacc 120  
 tccccaagaa ggctggggaa aacgcttggc tcagggtttga cagaaaacaa ataaatactg 180  
 tagtaataag aaaaaaa 197

<210> 566  
 <211> 353  
 <212> DNA  
 <213> Mus musculus

<400> 566  
 gcactgctat gtcgggggag atggacaaag ccgctgatca gccgcgcct antggacacg 60  
 ngatggcagt ctggctgagg tccccaagga ggcccccaaa gtgggcatcc tgggcagtgg 120  
 ggattttgcc cgttccctgg ccacacgcct ggtgggctct ggcttcagtg tgggtggtggg 180  
 gagccgtaac cccaaacgca cggtggcct cttccctcctc ttagctcaag tgactttcca 240  
 ggaggaagcc gtgagctctc cagaggtcat ctttgtggcc gtgttccggg agcactactc 300  
 ctactgtgc agtcttgctg accagttggc tggcaagatc ctctgtggatg taa 353

<210> 567  
 <211> 160  
 <212> DNA  
 <213> Mus musculus

<400> 567  
 tgacagatgc tgctggggaa gctgggtgtg actnnangcn gttaccacct angagttata 60  
 tacagatttt gatcntaacc tggnatgact gngcagnttg tntggagant ttnatctgna 120  
 ggcccgnaag ggccnggaag gatggggggc ataaaaggca 160

<210> 568  
 <211> 137

<212> DNA

<213> Mus musculus

<400> 568

ccatgacaac	cagtcacac	cctcangaca	ggtataangc	ancnggtgnt	atcttctttg	60
tgctgggcct	ggggacactg	ggtaccctgg	aataantctn	atgaccgttn	catgacattt	120
cacaagccgc	ctggacc					137

<210> 569

<211> 263

<212> DNA

<213> Mus musculus

<400> 569

ggagaacgga	ctattacatg	cgctcatctt	caggncnccc	tcctccaga	gaacnagctg	60
ttgcagaacc	aggacacgga	tgctgagcgc	aatcgancca	agggatcgcc	ngacatgnat	120
tcctcnntcn	ttatacacca	caacggnaga	gcatgncacc	cagcagcttt	ntgancacac	180
acgtanccgn	gaggatagaa	tatcgagaaa	aagggaaga	gaaggacnng	gatgccaana	240
aacacaacct	tggaataaat	aac				263

<210> 570

<211> 235

<212> DNA

<213> Mus musculus

<400> 570

aggagtttac	actgaganct	ctncngtgta	ctgactatgg	aactgaatnt	cnannnnctg	60
ntgtcanacn	nnaatnctna	agacnngnga	agtaaanact	gtatggatga	ccctctaagg	120
ctcaacctct	ctatctaatt	gtatatggcc	ttaanagaga	taattgagtt	gggtggngat	180
aactggtcac	ttgagttcaa	ggccacctgg	tctacaaagc	aagttccagg	acagg	235

<210> 571

<211> 356

<212> DNA

<213> Mus musculus

<400> 571

atgcaattat	aaatccaana	ccatngagcc	cttttgngat	ctgtccctgg	aattccctga	60
acgataccac	tgcntataaa	aggggtttga	ccctttgaat	cagacngagt	gcctgctcac	120
tgaaatgcta	gccaagttca	ccgagacnga	ggccctggag	gggagaatct	acgcttgtag	180
ccagtgtaac	agcanacgac	gaaagtccaa	cccaaacc	cttggttctga	gtgaagctag	240
gaagcagnta	atgatctaca	gactacctca	ggtcctccgg	ctacacctta	naagattcag	300
gtggtctggc	cgtaaccatc	gtgagaagat	tggggtcatg	tatcttttga	ccaggg	356

<210> 572

<211> 134

<212> DNA

<213> Mus musculus

<400> 572

cactaacagt	catgacnnat	ctggtgatca	tttggtctga	catgtgcaca	tattttcaaca	60
agactaggac	tgtaganaga	tcaggactat	ncggattatc	atagcancca	gaactggcca	120
gaagatgcaa	gctt					134

<210> 573

<211> 188

<212> DNA

<213> Mus musculus

<400> 573  
 gatgagcctg cccgcaaacc agatcaagga gcccggaag cagtctcagc ccgcaaaatc 60  
 gctcaaggaa cccagtcagg aggctctgcc tgtaaaccta ctcaaggagc ccagccagga 120  
 gtcccggatc ctgtgccctg acccggccat cgtaagtgca cccctgcgtg gccgctgaaa 180  
 aaaaaaaaa 188

<210> 574  
 <211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 574  
 tacactgatt aaacactttg agnannctgg tagcntataa ttaggatgnc tgnccccaca 60  
 cactccacac tgcaggggna ctgcntactg aatataaagc tgtggaaggg acatctctgt 120  
 ncggacctcg agaangtcta cagctctgat cgagaatgga nttggaagcc atggctaaat 180  
 tacatatt 188

<210> 575  
 <211> 231  
 <212> DNA  
 <213> Mus musculus

<400> 575  
 ttccaagagg accttanaaa gggcttgggc tgtatctgct ttgtgttngt ccctgcctgg 60  
 atgtgaacat ttgaactgac ccttcgaatc aatgctcatg cctgaagcac gtctatgata 120  
 ctcatctgcc gtaggctgga aagtgaggaa caagtggggt gtttgggcac cccacatcct 180  
 ctactatgga aatgtctaca agattcgtgt tggatggttt aaaaaaaaaa a 231

<210> 576  
 <211> 558  
 <212> DNA  
 <213> Mus musculus

<400> 576  
 gtgacacgat gatggtegct ttcactctcc ttccaggagg acgctccgga gttcgattcc 60  
 tcgctgtcac attcagtggg gtcactatct tgctggatct gattcaccgc gaggaactgg 120  
 gaatggcgcc tgactcgtct ttgttcaagg taggcgctga ccaaagccac ctcggaatcg 180  
 gttactgtgg aaacntgggt ctgctntggn ttnttcatca ccagtgaaga gtnccaggac 240  
 ccttctctat tttgncgctt acaggangtt tctttgcttg ctaatcnaca naacagacaa 300  
 acaggtnang caataatagt actaacagtc atgaataggn tgctatanaa aggtcagnga 360  
 agcctnnagg tgggtggtnc tgcctttaat cccagcactc tangacaaag aggcctagac 420  
 aaatagatct ctatgagttc anggctagcc taagnctaaa agttgagttc taggccagat 480  
 agggttacaa cnggangatc ctatcttana taaatgaaca aataaaccac gttacctnga 540  
 ncacccaaaa aaaaaagg 558

<210> 577  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 577  
 gatgaaggct tctctgctct aggctttccc tcagaccctg aagacatctg tntctcattt 60  
 cccatctgcc ccaataaaga agtttctatg tcaggcaaaa aaaaaaa 107

<210> 578  
 <211> 232  
 <212> DNA  
 <213> Mus musculus



<400> 578  
 agggcgccaa aggcgacgcg ctggcgggcca gctccaagcc aaccaggccc attgcgtccg 60  
 tctgcaggaa cctgtccctt caccctgctt tggacactga gcttcggagg atctggctgc 120  
 gagctgattc aacgccaggg cgccgcctag aggtcggtcg cgtcctcggc ctgcctcacc 180  
 gaccacagag ctgcttgtcc aagccacagt gtcagactta aacaaaacaa aa 232

<210> 579  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 579  
 caatacctgc ttggaaagcc atactgtaga cacttaacca gatatggcct gggggaagtt 60  
 ttggaaccag attgnttcct gcaaagctnc tttttactgg tttggcttgn atctaattgg 120  
 ctttttaagc taaaac 136

<210> 580  
 <211> 397  
 <212> DNA  
 <213> Mus musculus

<400> 580  
 aagactgagt gcacttcaca gcaaaaatga aaacggaatc attaaaatgg ttgaacacag 60  
 accaattctt ttaatttaca atttgctgaa aaatcattgt cgctgttttc accctatgaa 120  
 ccctactaag agaacggttt ctgagagcgc agccgcagcc gcctggcagc gcctacgagc 180  
 gagcgccagg tgcatttgca cactgactgg aagaccacgt gggcaggagc agggtaaggc 240  
 accactctgg acagtaagggt agcttgagcgt aacaagagtc agcaccacga gtgggtgctc 300  
 agcaaatact tgaataaatg aaaaccataa ttagcacgat tctgttctac gccagcaatt 360  
 cttcaacccc aataaaatac ctataaaaaa ccaaaaa 397

<210> 581  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 581  
 gtctcgctga aagagtcggc tgtgatctac agcctgngga cccacaaagg ggtgaggtga 60  
 cgtttaccac canccaggtc tccgagggtc gngtagctca ngctgccaat gctgtgctg 120  
 aagtcacgt tctcttcctg gattttcccg gagttactgt gagactccag gataaagaaa 180  
 gcagaacaca gaacacagaa cctgcccaca gtgaaagctc tagtttggct gttataaatt 240  
 ttgtcattat taaaaaaaaa a 261

<210> 582  
 <211> 232  
 <212> DNA  
 <213> Mus musculus

<400> 582  
 cacagggtca gaatccatga ccatcatgnc angangtatn gcagngtgca gatnngngaa 60  
 taaacaattc cagntntctg ctgcancatg ctgttaactg tggattnact gtgtgcaagn 120  
 ctgttttana ttttttaatc taagcaccac tgaatcttat taaacgtggc ttttgggngg 180  
 ntnggtnggc ngggatctgt gagagctcat gnggggtttt gcctcagttt ga 232

<210> 583  
 <211> 450  
 <212> DNA  
 <213> Mus musculus

<400> 583  
gaaggacagg agaccagcag gagctgggat gaagcangat acatccaaaa gacaaaaaga 60  
attggcccca gccccnngc caccctgcaa actaaggcat ctcatctctg tggccaaaga 120  
gaaggggcaa atggaagtac ccaggagagg agctggccca gggccctcag cccagctcca 180  
gaaggggtgac ctctctcatg taggctcagg taaaggtagc attacccaaa gcctccctca 240  
tttcatgatg gaagattctg gaacaaatgg gaatgccagt aaaccnccna cagccaacac 300  
agggcagctc aactttctct gtgtncccaa tttcttggtg tgtgagtggc aatccctaata 360  
tgcctttcta nanaagaaat tcaactctgca ctagtanagg attctactgn agacctctcc 420  
ttgagancct tcccactcac ccctgatgat 450

<210> 584  
<211> 367  
<212> DNA  
<213> Mus musculus

<400> 584  
ccaaagggaa atcatcacgg gnccagccag aanancanct ncacttcaat tgggtctcca 60  
tggggagaag tgcttggtaa aaggttctgc acatcaatgg ccctgtttcc tgggaacttac 120  
agacaagttc tcagtgtatc cagcaataca ataccactg ccggaagact ggagggcaat 180  
ttactcaact gggaagtttc atttgaaact ctcttctaaa aatattttcn ggggctggcg 240  
agatngttca ttggtaaaga gcaccanctg ctcttctgaa ggtcccnagt tcaaattcca 300  
ggnaacnca tggtggnctc acaaccatcc gtaaccgata tcttgatgcc ctcttctgga 360  
gtatttg 367

<210> 585  
<211> 163  
<212> DNA  
<213> Mus musculus

<400> 585  
cacatgcgta ctgtgacatg ggtgtatgcn tacacatana cncncgtcct cacgttgtnn 60  
gaataaaatt aatncctttg ttgcacnctg actccacatg cngtcctgtg catgggtgta 120  
tgcatncaca taancacaca tccacacggt gttaaataaa taa 163

<210> 586  
<211> 241  
<212> DNA  
<213> Mus musculus

<400> 586  
gcctggacat aggccatann aactactgcg tggaactctc acatgggctg cctatnaann 60  
ntggctnngt tccatatatc tncgtctctc caatttgaga gaatccgagc tcgggtcccg 120  
gcnatcnaan ntcttatnct gaagccccta ttctctagaa agtataggaa cttctcgacc 180  
tgcaggcatg caagcttcga cctcgacgct gagaaggagt gagggctgga aaaagaaaaa 240  
a 241

<210> 587  
<211> 261  
<212> DNA  
<213> Mus musculus

<400> 587  
gcagaggtgg agtcattggc gagatggcaa gctggaaaga aaactcaaga actccttgta 60  
agagccatgg aagttaagga aggggaggaa atcaacttga acacacgtta agatgccttt 120  
ctcgctctg aaggatcctg agtcactgcc ctcatctact atgaatccct ccaaaattaa 180  
ggccgtttct atggtgcttc tctacaataa ttatgtggct ttataattag ttgataaaat 240  
attaagactt aaaaaaaaaa a 261

<210> 588  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 588  
 atgaacctct agtcttgctt tgaaaaaagc tattttgtgt aactcttgac tgtgaataca 60  
 tttctaatac agccttttga atcgtnacgg gacaagtgtg ccatggctcc ggtcgggtcca 120  
 gaggnecatga ttcnatgnac cgaatgacag gatgacaacc atccataaag anatctntcn 180  
 cnntntnatg gagggctgga gcacatggta nacggtactt acatataata aatacctaa 239

<210> 589  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 589  
 atgaactggc cattcatacc tcgagggaga cgacagggnc cattgagcgg atgtgctttt 60  
 ctggatcnag tggaccacag nnnagcttga anngtgngcg atatctcntg ctgaccnana 120  
 tgaanccttg anattctggg aaggantnct agnacnngaa tcctattgac aatgtgagct 180  
 cctctgagtg tctgngannt ncttccacgn tcntnatctg ttgcagcaag acccttttct 240  
 acttgaattt gtttaatgat gttaatt 267

<210> 590  
 <211> 321  
 <212> DNA  
 <213> Mus musculus

<400> 590  
 acactgagtt cagaatgctg cagtggattg tacgaggggtg gaaaataacg aattaccttc 60  
 tccaaatctg aactcaagta tgaacgtggt caggatgggc caaaatgtat ctctgtcttg 120  
 ttccaccaag aacacatcag tagacatcac ctattcgctc ttctggggta caaaatatct 180  
 agaaagcaag agaagacgag ggggagctgt ggatttccac ctgaggatct ccaatgccaa 240  
 cgagtcaggc ccctacaaat gcaaagtcaa tgtttccaac ttgatgaaat acagtcagga 300  
 tttcaacttc aaaaaaaaaa a 321

<210> 591  
 <211> 344  
 <212> DNA  
 <213> Mus musculus

<400> 591  
 ctctctgaca gactatgtgc caggaaaaga ctgtctgctc tgagctacca ggcccctaag 60  
 gagtactgtg acccagcgga gttgcaaccc attggagtga ccgcttcagc ctaggaaata 120  
 ccactcttac agtcaagcga gcaatggatc aaaatgctaa tcagccagga caggagagac 180  
 ccagcgttcg cctggaaaag ctacagcact gggcaagaca caagcaaagt ggacgcctac 240  
 tgggtgctggc ggtgaggcca ggttgccccg cttcagggtt tcgctgactg tacacagttc 300  
 aattccactc atgttcagtg agcaciaaacc atgcaccaga aact 344

<210> 592  
 <211> 124  
 <212> DNA  
 <213> Mus musculus

<400> 592  
 gacgtctggg ctctccttac ttagttattc ttgcttttaa cttatgtaag ttcctgtggt 60  
 gactccatgt natatgtagt gaaattactg tatatagttt ctattnaatg ttaaaatgct 120  
 aaaa 124

<210> 593  
 <211> 848  
 <212> DNA  
 <213> Mus musculus

<400> 593  
 aaaagtccaa tgtatcagta gaagagaacg taatttttga aaagccttct catgtggaac 60  
 tcaaattgct gtacacagca actaaggatt tgaacttgat gaatgtgact tggaagaaag 120  
 atgatgagcc ccttgagact acgggtgact tcaatacaac taaaatgggc aacaccttaa 180  
 ccagtcagta caggttcacg gttttttaata ncaaacaatt gggaaaatat tcttgtgtct 240  
 ttggagaaaa ggaactaaga gggaccttta acatncacgt acccaaagct catgggaaaa 300  
 aaaagtcgtt gatcgcttac gtgggggatt ctactgtgct gaagtgtgta tgtcaagatt 360  
 gtcttccttt aaattggact tggtagatgg gtaatgaaac cgcacagggt ccattgacg 420  
 ctactcgaat tgaaaagtat atcatcaatg gttcccatgc caatgaaaca aggctcaaga 480  
 ttaagcatct tttggaggaa gatggaggat cctactgggg cgtgccccct ccagttaggg 540  
 gagaagttag gagcaaaatg agctgggtgt gctgagcttn ctggngcccc tcaagccatt 600  
 tntgggcata cttgccgaag tcatcctctt ggggggcatc attctgcttt gtgaagnngc 660  
 cccccccng aaaaagaatg accccaatg cttggggaaa agaaatttga accaaattgg 720  
 accagctgga aatcanatga tagccatggc ttanaaaaac aatggtcccc cggtncaana 780  
 aaactggact nttggcgnat cannggaata cncgaaagga gcttntcncc cttggggaaa 840  
 aaaaaaaaa 848

<210> 594  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 594  
 gaacagacag agctgnggat cattncacta agnacttcac tgacgcgngg ctgaaggagc 60  
 tgtntggact ntctccnagt ccancagtcg ctgggcacca cgaaagaact gcataaggag 120  
 c 121

<210> 595  
 <211> 160  
 <212> DNA  
 <213> Mus musculus

<400> 595  
 ctgaggagac acacangtgc acgatgctac tgaaacagta natcttcctt gncaagnngc 60  
 tgcactcang cttcctnnat ncttggagtg actgagcact gnagagcctg ccctacnate 120  
 atggctggcc cttcctgaag gncaataaag agtgtgaaac 160

<210> 596  
 <211> 380  
 <212> DNA  
 <213> Mus musculus

<400> 596  
 gcaactggga aacaagtctn cctggtagca tccacggngc caccacacgc atnaagagcc 60  
 aatcagggat gtgtcgcccc gcccatgaag accttcgtta tgttccgtgg aaaaaccacg 120  
 gtgcttggga ctcagaacat ttctctcagt cgcagagccc ttgatggagc caaggatacc 180  
 ttgccaccct acagaggact cgggggtcca cattcgctcc ctgccagcct acctggtccc 240  
 cagaatgatc ctaaagccca ggggagctcc ctgaagcctg gagctactga aaagcactca 300  
 acccgggaga aggtcaaaca ctcactgaag gctctgacct gtctctgcgg gcaggtggag 360  
 tagtttcata ggatctgtca 380

<210> 597  
 <211> 402

<212> DNA  
<213> Mus musculus

<400> 597

gtccaagaag	ttggctgccc	taaccgaagc	cttgaaagca	gtctcgctca	gtaaggccca	60
gctgggggta	gagttgccag	aactggaagc	cgccgcactc	ctcgtccagg	aggaggaagg	120
tgctggaaga	gcagcccagt	gcaatccctc	gcatcaggct	ccacactcca	gtcccagagcc	180
cagtgactcg	gacagcacct	catcctctgg	cacagaggac	tcagcgtcag	agcaagagga	240
gcctgctggg	acccagccct	ccctgctcac	ttctctgcaa	gccccacttt	tggaagagga	300
cagtgccctg	atcatcaggg	agagtgggct	ctgcagaaac	atggccagcc	aggggatgtg	360
aagcagtcaa	ggacaagcca	ctggcctccg	gccgggctct	tt		402

<210> 598  
<211> 104  
<212> DNA  
<213> Mus musculus

<400> 598

acttttacaa	gtctacctgt	tcgagaagaa	ntgatggcna	aatactcana	cctttcctta	60
aagagctgta	atatctcagt	gactggatga	agtccaatgt	atca		104

<210> 599  
<211> 333  
<212> DNA  
<213> Mus musculus

<400> 599

gttgctctgt	ggaaatgccc	gtgtgaggac	gagctgccta	ccacgtagaa	gatgggatcg	60
aacagcagca	agatcagtga	tcttccgaaa	aacgagtact	taaaaaagct	gtcaggcccc	120
gagtctatat	ctgaaaacga	ccccttctgg	aatcagctct	tttcattttc	tttccccgca	180
ccaaccagca	gttctgagtt	gaagctattg	gaagaggcaa	ccattttcagt	ttgcaagtct	240
ttgggtaagg	tgggaaggga	gagaaaaaca	ggcagtttct	aagattttnt	gttaaaattt	300
ttaatagtnt	aataatatga	gttgaattaa	aaa			333

<210> 600  
<211> 394  
<212> DNA  
<213> Mus musculus

<400> 600

cctcctctcc	tcagcgatcc	tgactccagt	ctctctgaca	gcgaggagag	tgtgtttttca	60
ggcctcgaag	atttgggcag	tgactcgagt	gaggaagaca	ctgaaggagt	ggccggatcc	120
agcgggtgacg	aagacaacca	tagggcagag	gagacctctg	aggagctggc	acaggtgggt	180
gagggaccag	cttccatggg	ctctcctgca	catgaggatg	gccagaaaga	ggaagtgcct	240
gcctggggagc	tgtccgcttc	acactgtccc	cttcgtggtg	tcctcgggaa	cctggtcctc	300
tatccgtccc	tngtcacaca	tttgancctc	aagggttggn	aacctcagtt	gnctgtgcct	360
ttcctgagaa	tgacgaatgc	ccacgtgctc	atgt			394

<210> 601  
<211> 374  
<212> DNA  
<213> Mus musculus

<400> 601

tgatgagacc	ctacccagtg	attgntggaa	ttacaaaatt	cacggataac	tntgctggtc	60
tnagcatgta	gccctgcctg	gaaatcctgc	ctcagagtct	caagtgctgt	gtgacagntt	120
tgatgacanc	gtagngctg	atgnatcnat	ncggatatgc	ncctgggaca	gncccccanc	180
atagctgnen	tnacgactag	atgncatgna	cctnctcatg	gcnatcacag	ccnctccnnc	240

ccagcaatgc cacttccagg aattgatacct cacaacaga gtagctctga cataggagtt	300
atttattgca gtgtggtttg tgatattaat gtagaatac attccatcaa taaagatctt	360
tcagttaaca ttag	374

<210> 602  
 <211> 182  
 <212> DNA  
 <213> Mus musculus

<400> 602	
gatggctgca gcaactcctc tgcggatgag gtgaacacct ccctgaccac aaccacgacc	60
accactagtg ccttcacat ccaggaatat ttgccaaga gaatggccca attaaagaac	120
aagccacaag cctcagctcc agggctctgac ctttcagaga cccctgttga aaggaaaaaa	180
aa	182

<210> 603  
 <211> 387  
 <212> DNA  
 <213> Mus musculus

<400> 603	
gtagatcggg tgctggcaga ggctgacttt ggacccccag atgaaaggga cgacttggac	60
ggtttgagga acgccgatgc ccaggtacca catgactccc cagaaccagc cgcacaccca	120
aatctgtgtg ggattgacca cgaggcgctg aataagcaaa taatggagta caaacgcaag	180
aaggagcgag ggcttcagtg tcagagtctg gcgccaccat cagggcggga gcaggcacct	240
gaaccgaccc gtctgctccg gaagagagag aagggtgcgat cccggtggca acaccgggac	300
gcttccccag aaagctttct ttgggcnaa ggagaccaag gacgaaggac agcagctcan	360
agtggggaat gccatgccca cgaggca	387

<210> 604  
 <211> 176  
 <212> DNA  
 <213> Mus musculus

<400> 604	
gactacatca cttactngcc tgtggaactg aaccgtggac cttnacgaat tcaangctga	60
cacagtcagg cttcaacgac cagagtctcc tcggcactga gctcatctca gggtagaccc	120
cgatgttggg tcccatgaat ccttgccctg gagaataaaa ggcagagtca caaaaa	176

<210> 605  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 605	
tggtgggcca ggccgtggta ccctggtgat gcggggcgag gccccccca cagtccgctg	60
agatccctgt gcccaaccct ggcctttgcc atggctccgg taggtccaga gctgtctaga	120
cgcataaata aaaaaaaa	138

<210> 606  
 <211> 281  
 <212> DNA  
 <213> Mus musculus

<400> 606	
gtcccatggc tggtattggc tcccttgctg tccccaacg ttccctcaggt cacctcccca	60
ccttgctgcc tatgtcccga gggnttgaga gggccnaaca tggaggantg cagaaccaag	120
gactccgngg ggactctgcn tgccggaang gctctgngn tgcattttct aaaagcttca	180

tctcatcctt ntcaatgtca gnggcanaaa aaactgaccg nagctcaa at cccaacantg 240  
 ggncccttcct nanccctcct gggtaatggc tactctctgg g 281

<210> 607  
 <211> 634  
 <212> DNA  
 <213> Mus musculus

<400> 607  
 ggacatggag ctgtgtttga ctgcaagttt tcacaggatg gacaacattt tgcctgtaca 60  
 gattctcacg ggcattctct gatatttggc tttggatgca gcaagccata tgaaaagatt 120  
 cctgatcaga tgttttttca tactgactac cgaccactga taagagattc caataactat 180  
 gtcttggatg agcagacaca gcaggcacct catcttatgc ctccaccatt cttggtggat 240  
 gtggacggaa accctcatcc aaccaagttc cagagattag taccaggtcg agaaaactca 300  
 gcagatgaac atttgggttcc acagctaggc tatgtggcca caagtgatgg ggagggtgatt 360  
 gaacagatta taagcctgca taccaacgac agtggagatg caagcccaga gtccagcgtc 420  
 ttggatggca tgattangca gctgcagcag cagcaagacc cgagactggg agtggatcaa 480  
 ggatnggact gcaaatggac tttcccagtg ggggaaagga ccacccccga aaaagggggag 540  
 tttttagaaa aactgagttt tagacaattt cagncttcct ttcaaaaaca ttgggnentt 600  
 cccgtcggna aatggggcca aggtttttaa aggg 634

<210> 608  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 608  
 ttggactaag cgaccttgaa tggattcgac tgactactac caagtggaa c gatcatgct 60  
 agtcttttga cgcaaagaat aaaaatgtga agaacttta aaaaaaaaa 109

<210> 609  
 <211> 266  
 <212> DNA  
 <213> Mus musculus

<400> 609  
 ggcctacaaa tgtgacgggtg tgtaacaatg gcctttaccc atntgggtgtt cctnggagtc 60  
 ccacctgaag aagatncacc ggggtacagc agcantatgc cnacatngca gngtagagac 120  
 anactctacg tgtgtgagga ttgcggctac actgggccc accnangang acctgtatct 180  
 gcatgtgaac antgaccatc caggagacac ngtttctcaa aaagacttcc aaaaagntng 240  
 gcggncccta tgcataacaa gctgac 266

<210> 610  
 <211> 302  
 <212> DNA  
 <213> Mus musculus

<400> 610  
 atcgcaacga acgacataag ccagagcatc gttcttccag ccaaggaccc ctgtcatcca 60  
 ttagagcggg aatcaagaga tcttctcgga cctgtattca gagtgaactt catcgggaca 120  
 ggaggcgtgn ananaattat annatnnggt agatnctgat agcatnnagt gaagtagcat 180  
 caattggcag actgttttac ctcataagca gtgctgtacc gacttctccc tcatccacac 240  
 atctctgaac ccataatataa gtttgacaaa taaagggttt gcttgagaga aatgaaaaaa 300  
 aa 302

<210> 611  
 <211> 697  
 <212> DNA



<213> Mus musculus

<400> 611

taggaacctg	tagaggacca	cccntgcacc	gatnctactg	aancaaagat	natnntcgtg	60
gtaananngc	ncgatcacta	tgccttcnta	antctggncg	tggcannana	atgcnatcnt	120
tgatcaancc	anaggancca	tgcattgggc	tgaatgaggg	caaacgttgg	agcancttnc	180
ctgtcactgt	ttggagatcc	ctatgagctg	gatccttttg	acagcaatga	ataacagtct	240
gcagatccac	cttcccctct	gagtgcccaag	aggagagtgc	tgtcccgcgc	agctctgcag	300
tctcaccagc	ctgtggccag	acctgtcgcc	atggggctct	ctangaggca	nnttccttgc	360
tgtggccccc	agagcccaag	cgtgggagga	agccccggtt	tcctgacctg	tttgggaagc	420
atnctgtctg	gccnnagcct	cctgatgatg	agcangtgcc	tgatgttggc	attacacccg	480
ggatggntct	nttaancgcc	cannaagggc	cnggggaagg	aagantttta	ntcttcccct	540
tttccccaan	nccttngnaa	aanntggctt	tgctttcgng	ggttggaag	ncctttcttg	600
ngttcaaatt	ccgttnnttt	ggtcacnggn	cccanntggg	ttgggaaacc	ttggggggag	660
nccennnnaa	ccnntggccc	ccttttttaa	cctgggg			697

<210> 612

<211> 370

<212> DNA

<213> Mus musculus

<400> 612

gtgtgagagc	agaaaaacgg	acttaagagc	tgancaggat	gcgttcacgg	tgcaccgnct	60
ctgccgtcgg	tctcctcagc	ttgtgtcttg	tgggtgtctgc	gagcctagag	actatcacac	120
cgtctgcttt	tgatgggtat	ncanatgaac	cttgcactat	aaacatanca	ntacgaaatt	180
cccggctaatt	tntatcctgg	gaattagaga	acaagtctgg	cccacccgct	aactacaccc	240
tctggtacac	agncatgagc	aaagacgaaa	atctgacnaa	ggttaagaac	tgttcagata	300
ccacgaagtc	atnatgtgac	gtgacagata	agtgggtgga	aggcattgga	nagctacgtc	360
gtcgccatcg						370

<210> 613

<211> 478

<212> DNA

<213> Mus musculus

<400> 613

aactacaaag	agcgagtttc	tacttcaatc	ttttcctctg	cttggagtag	atcaggggtca	60
acatgaacaa	ctggaggtag	gaggataact	tcaggccccc	caccatataat	agactgcagg	120
aaattccatg	tttcttctga	aatttgacca	gagtctgctc	ctaaaattgt	atgtatgcaa	180
aaagaatgat	atttacaac	atgaatctta	atatagcttt	tacagtataat	ccaacagaga	240
aatcctctat	ggaggactga	gaattctgaa	accttcagat	tatcagcctg	tatgctataa	300
aaaacaatat	ggagacgggt	tccaaatgtc	tagagatcca	ttttccaagc	tccaacaacc	360
ctaaaacctt	cctaaaaata	agaaattttt	accctttctg	ttactgtaag	cctgaccatt	420
tctgaactag	gtaaataaat	tacataatag	ctgggttatn	ttttttttaa	aaaaaaaa	478

<210> 614

<211> 158

<212> DNA

<213> Mus musculus

<400> 614

ctcccttgaa	gggggntggg	gctatgactt	tctgccccagc	ctagagagct	gtatactccc	60
atttcatgga	ctctgcttga	gtgtgcaggt	tttacctgaa	ttctatttat	accttttgta	120
tgccacataa	ataaagataa	tttatataaa	gaaaaaaaa			158

<210> 615

<211> 321

<212> DNA

<213> Mus musculus

<400> 615

tcattgcctac	agtctgcccc	tagttccctg	gctctctgaa	agctcctcag	agctctcttc	60
tcaggataag	aacccttgg	ctatgcttgc	ctcccgaagc	ccatggaatg	gcttccttca	120
tgaagataag	cagagtccct	tgaaagcaag	ctttggatga	gttctagaag	catcctgttt	180
tgagacacgc	cggtgaagat	gcacccctgc	tctgcagttc	ccctccacgc	acaggattga	240
agaagtaaaa	gctcctatac	agaaggtttc	acatctgagc	agcagagtcg	gttcagtaaa	300
accctctgat	acaaaaaaaa	a				321

<210> 616

<211> 124

<212> DNA

<213> Mus musculus

<400> 616

tcattgcttc	cccgaagct	ggacagacta	actgctgctg	tggatgaact	gagagccctc	60
tengccctcc	cntctagctc	ccgcttgaag	tctcctgcn	atanagtgc	accatcagga	120
aagt						124

<210> 617

<211> 771

<212> DNA

<213> Mus musculus

<400> 617

gtgaacctgt	caaacctttt	acaccagaga	aagcgaaaga	gattataatg	tctttacagc	60
agcctgcaat	cttctgtaac	atggttttcg	attggccatc	acgacactgg	actgcgaaac	120
acctttcgaa	ggtcttgag	ggcaagcaga	tacggttcag	aatgggcctg	agaggcacag	180
gcacagtcc	tcagtatgaa	accgaatgta	gttatgtgga	tgcgacgctc	gaggagtttt	240
tgacctggaa	ctgtgaccag	nctagtatct	ctggaccatt	caaagattat	gaacattcta	300
aattctgggc	ttacgctgac	tataagtatt	ttgttactct	gtttgaggac	aagacagatg	360
ttttccagga	ggtggtgtgg	tctgactttg	ggtttnctga	angaantgga	cnagaaagta	420
cactgtggat	cgggtccttt	ggagcccaca	ctccctgcc	tctggactcc	tatggttgca	480
acttagtatt	caggtacaan	gaangaaaag	atggcatctc	tttcctcctg	aagatacgcc	540
tttcctttat	ncaaccagaa	ttccttacga	agagtctagt	gtgttcaagt	aaaatcaatg	600
gtgcaaccct	gatttgaaag	cgtttccccc	agttccagaa	agctcgaaag	acatatgggc	660
accgttgagc	ccaggacaag	gttctgggtg	gttcccanac	actggtggca	tttacnttgg	720
aagnctcttt	gancctgtna	cccgtcaaga	ntaaaactcc	tgggaattgg	a	771

<210> 618

<211> 736

<212> DNA

<213> Mus musculus

<400> 618

cattccgctc	tgagctgaga	ctctgctgct	tccatggctg	cttccttgaa	gacacgcaca	60
gatgtttggg	ggtgaagcac	atctgtccgg	tcctaccctg	cccatagaag	acggggaggt	120
gtcataccta	tgatgtggcc	agtggctttg	gagccctgaa	gcctcaactc	tctgcttgga	180
tccacgtggt	gacagacaca	cgtgctagac	ctgtcagtg	tgaactacgt	gtagagtggg	240
tggggaagga	gatctcaacc	ccgaggcaca	gataacgaac	aacctggggc	agctgggagg	300
tgactgggcg	tgccattcat	ccctgagagg	ttcccaccga	ggcagagatg	tagtcctcag	360
acgttaatcc	tggaaagggtg	gctcagcagt	tgaaacgct	ggttgctttt	ccaaaggacc	420
agggttgctt	cccaacaccc	cagtcaactt	gcctatagtc	ctagcaggca	agagagttgg	480
aagttcaagg	ccatcctccg	ctgtatagga	ngccactata	ggctgcatga	aagccagcct	540
caaggaagaa	tgacaaaggg	ggctggagtg	gcgcttagca	gttaggactg	ntcgctgctc	600
ttgcaaggac	ctgggttcgg	ttccaggacc	cacattcttt	atggnatga	atacttcaag	660
atcccaagag	gagatctgat	gccttttctg	gggcctaang	gcattctatac	catgctgnat	720

aacttaaccg accctt

736

<210> 619  
<211> 261  
<212> DNA  
<213> Mus musculus

<400> 619  
cagaataaag atgcttagaa ctctagaagc caagagactg gcagccatgg aatcctctgt 60  
aaatctccca gcaaggtctc ccaaggggtgg tggagcccag cagactacta gcacaagcag 120  
tcaactgaag tctaaagggtg ggcgatcaga tgaagacgga ccaccttcca cccgcagacc 180  
attctacaag actagagcag actttctcaa gagacatcgt taactcaata caaagaccaa 240  
gtgagagcag caaaaaaaaa a 261

<210> 620  
<211> 258  
<212> DNA  
<213> Mus musculus

<400> 620  
acagtgcctg ctctggaana tgtgactatg acattncgat naggaccatg gcnnacagtc 60  
atgtnaggan acanctggng nncnttcccg ngencataaa gcatnantta catntnaaac 120  
tganccnata gganacactt atcgataaat cccatctgac tcctnaatgt ttacatagtc 180  
cctgtccaca tggaataaag cacacaagtt atttcaccan aaaagaagaa catngcngac 240  
agtcatgtta ggaaacaa 258

<210> 621  
<211> 113  
<212> DNA  
<213> Mus musculus

<400> 621  
gtcttggccg gagaccggag ccatgtctgt gttatcccca ctgtagacaa tccttgcttc 60  
ctctggacat ctggagcagg cccaatttga ctgagagcct tccccacta aga 113

<210> 622  
<211> 523  
<212> DNA  
<213> Mus musculus

<400> 622  
agagtctgtt cctttgtttc tgtgtttggg tttgataaaa tccaactcca cgagtggctt 60  
ttgaacttgg aatagtggca atctgctcaa gctccagata aagggaacc taatttgcac 120  
tctttccgtg tctgccgaaa gactcagaaa cggatttcca ggactcagga agccaaatac 180  
caagtgtagg agagaaaaag cagcattttc cttaccaatc ttaagcctga agggtaagga 240  
ttccaagact aaaacatata catttattta atgtcagttt tgtgttacac aagagatcat 300  
cagaaatttg gaaatctttg tgcttttgtg gactgccatg cagaagtttg actagaaaac 360  
cacaggggta caataactc ataaacttga ggccagcaat gtagcaaac ccatttgntc 420  
atattttttt cctgtgtctt catacagctt tttcagatat aggaaagata tctctaaggg 480  
gagcaactca aacattttta aattaaaaag gaatttttaa tta 523

<210> 623  
<211> 267  
<212> DNA  
<213> Mus musculus

<400> 623  
atgtgattat ttttcttcct caagaaatgc ttctcggtag ttaatacatt acggaaggaa 60

ccgtggagaa	gcggtacgca	aactgcacag	ttcgtgccgc	ttgagcaaaa	tagaggtcgg	120
tcggaggccg	aggttgcctc	ccttcgaggt	ggagaacaac	ttcgcagccc	acagccgccc	180
gtgagtgttg	caagtttggc	gggggtcttg	ctgaggggtg	tttcccgcgc	ccttctcttt	240
ccccgggttt	gttttgaaaa	aaaaaaa				267

<210> 624  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 624						
cccaggggat	gccccgggtg	acgccgccgc	tgctcttcac	cgaagatatt	cccgtgcttg	60
ctgagccttg	ccccgctgtg	cgggtgctgc	taacttattg	gaccgtattt	atattgggta	120
cctgcttcca	accaccatt	ccgtgttaat	atTTTTtata	ccatattttc	attccaaata	180
aacaatgtca	cttttctttt	tttaaaaaaa	aaaa			214

<210> 625  
 <211> 129  
 <212> DNA  
 <213> Mus musculus

<400> 625						
gtttggagtc	ttctgtgaac	ccattacgtg	gatgcatcac	aagaactcca	ttagtggtca	60
agccatccat	ctgcccata	gatgtcttcc	acttggcagc	cttctcctat	aaaatcaaca	120
ataacaaac						129

<210> 626  
 <211> 405  
 <212> DNA  
 <213> Mus musculus

<400> 626						
ctgtactgga	gctgctctgn	agaccaggct	gnnccctgat	gcaggagaaa	cacctgncta	60
tacncccaga	gtgctgacat	taanngcntg	antcnccacc	anctggctan	gaangngacn	120
tttatnccac	ggaancctga	agaaggcnac	ntaggtcca	gctgannccg	angaccggan	180
tnggncacca	gngttagctt	taaaacanca	atgganccca	cntntngacn	ctcccgggca	240
cagctgcaca	cctgccgcct	ctacccagg	gcaggccttc	tgagaacaaa	aggacaccta	300
ctcaccaagg	tcattacctt	gatgggggca	gggagaagg	ctgggaatgg	aagaagacct	360
ctagtctaga	aaattgggtg	aattaaagg	tttgaatcag	cccc		405

<210> 627  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 627						
gtcttctaag	atcaagtagg	aatgtggaat	tcccaagaac	gtgggggaaa	atgcaaaatt	60
tcccaaacta	tggaataaac	atgtttccta	acctaataaa	aaaaa		105

<210> 628  
 <211> 426  
 <212> DNA  
 <213> Mus musculus

<400> 628						
actgagggat	cagactgaga	tcctccnagg	cacatgtgac	ccatcacccc	agacctgaag	60
gtgaagtcac	cctgagggtg	tgggccctgg	gcttctaccc	tgctaatac	atcctgacct	120
ggcagtggga	tgaggaagac	ctgactcagg	acatggacct	cattgagacc	agacctgcag	180

gggatgggac	cttccagaag	tgggcatctg	tgggtggtacc	ttctggagag	gaacagagat	240
acacatgtca	tgtgcaacat	gaggggctaa	cccagcccct	tgttctaaaa	tgggaccctt	300
ctaagcacac	cattcccatc	atgggaatca	ctgttggcct	gcttctcttt	ggagtttgtgt	360
ttactggagc	tgtggttgcc	atagtgatga	ggaagaggaa	agggctctcac	actgtaccct	420
taaaaa						426

<210> 629  
 <211> 270  
 <212> DNA  
 <213> Mus musculus

<400> 629						
cgaggaaatc	ctttacattt	atgccnagag	cggcttngaa	agatccngaa	gctntggcag	60
naggataana	tcacagagga	gatcggacac	nnccangagg	ctaaccagac	cctggnnnga	120
attgactggc	agcatttata	atcgctcctn	tactaanaac	ttgacttgga	gttttgtaac	180
acagctggct	tttccagaaa	gacaacagga	aataagttcg	gctgaatcta	ttttgaaata	240
aattctttat	ttaagcttta	aaaaaaaaaa				270

<210> 630  
 <211> 195  
 <212> DNA  
 <213> Mus musculus

<400> 630						
agactgagac	ctgtgctacc	agaagtgaca	atggaagtcc	ctcctgtgaa	gaggaaagga	60
cactgacaac	gtgtggatcc	tcaggagcaa	accaagtcag	cagacatggg	aaatatctgc	120
ttacaataaa	acactgtttc	tatccttcta	ggctctatta	aaagatgtat	ggatagttaa	180
agcataaaaa	aaaaa					195

<210> 631  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 631						
gtctttctaag	atcaggtagg	aaatgtgaat	tcccaagaac	gtggggggaaa	atgcaaaaatt	60
tcccaaacta	tggaataaac	atgtttccta	acctaataaaa	aaaaa		105

<210> 632  
 <211> 272  
 <212> DNA  
 <213> Mus musculus

<400> 632						
ctggagagac	acgtgccta	tgacaacagc	agaccaacca	gtgggaagat	gaactgcgac	60
gtgtgcgggt	tatcctgcat	tagcttcaac	gtcttgatgg	ttcataagcg	aagccatacc	120
ggcgaacgcc	cggtccagtg	taatcagtg	ggggcatctt	ttactcagaa	aggtaacctc	180
ctccgtcata	ttaaactggc	ncggggggaa	aaacctttta	agtggtcncc	tntgnactac	240
gcatgccana	ggagagatgc	ctcacggatt	ac			272

<210> 633  
 <211> 415  
 <212> DNA  
 <213> Mus musculus

<400> 633						
gactgaggtt	cctcagtggt	gtgctgaata	ttgcctttcc	atccattacc	agcacggggg	60
cgtgatatgc	accagggccc	acaaacagac	ggcagtcacg	ctggccctgc	gggtggccga	120

cgagatggat	gtgaatatcg	ggcacgaagt	cggctatgtg	attccttttg	agaactgctg	180
caccactgaa	acaatcctga	ggtactgtac	tgatgacatg	ctgcanagag	agatgatgtc	240
caaccctttc	ctgggtagct	atggcgatc	catcttggtg	gatgtccacg	agagaagcct	300
ggcgactgac	gtgctgctcg	gactccttaa	agatgtgctg	ctggcaagac	cagagctgaa	360
gctcatagtt	aactgctcgc	ctctcctcac	cagtaaactc	agttcctact	atgga	415

<210> 634  
 <211> 548  
 <212> DNA  
 <213> Mus musculus

<400> 634						
ctccatccga	gcaggccggg	aaacatgccc	gccaggaaag	agctgcgtng	cccctccgag	60
ttcgacgata	ccttcgcca	aaagtctcgag	gtgctcttct	gtggccgggt	gactgtggct	120
cacaagaatg	ccccacccgc	actgattgac	aagtgtatcg	agaagttaa	ccatgtganc	180
tgtggctcga	caacggactg	ggaagcggcc	nncgggcaag	cntcngctcc	tggcccagcc	240
catgcgcaaa	tcctctcac	ancctggant	gcgctcgtg	gccttcagga	angagttcca	300
ggacgctacc	tcgcagtnn	cacctttanc	tcctttgacn	atgacataga	naaccncctc	360
atcggtgggc	acaatgtggt	tcacccacag	acatggagga	naaccgaact	atgctgtgca	420
cggtaaaatc	tgtcngtttt	ttgcagcttg	aggtctgaaa	aatctgtctt	acacatccat	480
gtttgtaaac	accctttcct	gcagaatata	ntnatattaa	agaagtcaag	aaggatgtta	540
aacaatat						548

<210> 635  
 <211> 334  
 <212> DNA  
 <213> Mus musculus

<400> 635						
gaatcccaat	gctgaagata	gtgtttgcag	gccatgagca	tctctcgtg	atatccgtgc	60
ccttgctcat	ctaccacca	gctcagattc	tcctgggaag	tgtgttagtg	ccaacaataa	120
agtcttgat	ggtgtccagg	cagaaggagg	tgaagctgac	aaggccgaca	gtgtgactcg	180
ggtggcgcca	gccttcctgg	agtgtgtaca	tatatgtaca	ggctgtacat	acaggggttc	240
tgaggacctg	tccttgggga	tgctgctttg	atgcctattt	tattttttta	cagaaaaaaa	300
tatgatatac	ctgtttaagt	gccttaaaaa	aaaa			334

<210> 636  
 <211> 996  
 <212> DNA  
 <213> Mus musculus

<400> 636						
agagaggcga	acccattg	atgctgctgc	ctacgtaggc	gatgtcccca	tcctccagtt	60
gctactgatg	tcagggtgcta	acgtcaacgc	taaggacaca	ctgtggctga	cccctcttca	120
tcgtgccgct	gcctcccgaa	acgagaaggt	gctggggctg	ctgttggcac	actcagcgga	180
tgtgaatgcc	cgggacaagc	tgtggcgagc	accactgcat	gtggctgctg	ccaaccgggc	240
caccaagtgt	gcagaggctc	tggcaccctt	gttgagcagt	ctcaatgtgg	ctgacaggag	300
cgggogcagc	gctctacacc	atgcagtaca	cagtgggcat	cttgagacag	tgaacctgct	360
cctgaataag	ggagccagcc	tgaatgtctg	cgataaaaag	gaacggcagc	cgctgcactg	420
ggcagctttt	ctagggcatt	tagaggtcct	gaaactgctg	gtggcacgtg	gagcagacct	480
cagctgtaaa	gatcgaaagg	gctacnggct	gcttcacaca	agctgcagcc	agtggccaga	540
ttgaaattgg	tgaagcactt	gcttccgatg	gggggcccga	gaatccgatt	aancccaatg	600
ctttttggga	aaacacaagc	ttttgcacat	tngctttggc	tacctggggc	ccngggattg	660
cttgtgggct	anttcgaagc	ccttggtgga	accccccang	aaaccccaaa	tgggtgnaac	720
cccanccccc	aaattngcnc	caaanggggg	cntttaaaacn	tttccaacct	tggcaanttt	780
ntggncgggg	ntttngggcc	ttntttaccc	caaacnnggg	ngcctttttt	ggggacctn	840
gggnaaactt	ggttaagntt	naaatnaaat	gggggggcct	ntaanctgtt	naacnttacc	900
ncnnanttta	aatgnaaang	ggaaaaaagt	tccccttttg	ncnatnnggc	ttgccaatc	960

caatggggcc ttntttnaaa ggcggtttcc caagaa

996

<210> 637  
<211> 172  
<212> DNA  
<213> Mus musculus

<400> 637  
ctgccaaacta aggtgtctct gactacgggt cttttatttg ctacatatat atttttacia 60  
aaatgaaatc catattgtac gctattttgc tgtctgcttc gttcccatgt caacatgacc 120  
tgcacttctt ttcccatcaa taaatgtgtt gtgatatttt taaaaaaaaa aa 172

<210> 638  
<211> 327  
<212> DNA  
<213> Mus musculus

<400> 638  
actgagggtcc tgagggaggc aaacaagtta gcagaaatgg aggaaccagc cctgcttcca 60  
ggagagaaca tttaaagatat gggctctgtaa tgttttttgt ctgcacagct gttcattctc 120  
ctgtagtggtc cagcctgtgt tctgcaagcc gagaccaga gctgttggga gtgttcctgt 180  
ctggatgttg ggaaatgtac aaattcaatg ttattctctt taaattgttg ctgaaatccg 240  
tgaagagcag ttttattatt tgaattacat catttagcca ctgtgttggc tagctaaaaa 300  
cattaaacia gtgattttta ttaaagt 327

<210> 639  
<211> 617  
<212> DNA  
<213> Mus musculus

<400> 639  
gactggaccc aaaaggagag ccagtgggtg ggtcggcaag tggttggaca gctcgaatca 60  
tccagcatga gatggatcac ttgcagggtc gcttggttcat cgacaaaatg gacagtggga 120  
catttaccaa tctccactgg atggagggtga atgactaaca ctctccttga attgaggatc 180  
tggaatatcca gcatgcagac taagatgggtc acatctgtgc ttcagcttgg aattgggttc 240  
agtccgacag tagacagtgt gtgctgggtc gagatgaaga tgatagaaat gcttgccctg 300  
aaatcagatc tgacagaata cgattacagc aggactacia atgtaccatt aaaggagtgg 360  
ctatttcctg acaatttccc atggagagga gtgggcaggc aaacatcctc tgtacaaatg 420  
agacacattc taaccccaca gcctacaatt gattgataag gnaatccaga tatccaaaag 480  
atttgnnttt tgagacaggg nttctntgng taccttggtg gcnnggactn actctgttna 540  
caagctgcct naacttaana nattcctgct ntgnactcct gactttggac tgaagggnt 600  
ncctctgtgg cttgaag 617

<210> 640  
<211> 529  
<212> DNA  
<213> Mus musculus

<400> 640  
aactttgttc taccccaaga gatgatcatt gaagtggagg gagaagatgc tgggtcactg 60  
gacatcatgc ctcaggaaag cacagacttc aagattgtga ctgtggacct tncagaggag 120  
ggacagagca cgtggaacia tgcccagaga accccagaga aaaccgtgat cctggaaggc 180  
cacagggacc tgtgggactt gccagctgta catggaacag aaggagccac cgcaaagcag 240  
acaatcttcc atgaagaacc atcccatgga ttgaagctag aggggttggc aagagatgac 300  
ccttggctgt catcgtgtga agaagtccga gactgtaagg agcagtcggg gaaacaaccg 360  
aacaagcaag aggaggtggc ctttaccag ggtagcgtg gctctcctga tactgtctac 420  
aggggtcatg accctgacag gagttgcctg agtaccagcc ggccttcatt ccccatgatg 480  
ccccttagaa accatttnca taaacaggcg tcacatgtta aaaaaaaaaa 529



<210> 641  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 641  
 aggcagatct gacaaattct ggcagttctc cctctgagga tgatgccctg ccttcagggt 60  
 ctccctggag aaagaagctc agaaagaagt gtgagaaaga aaaaaa 106

<210> 642  
 <211> 638  
 <212> DNA  
 <213> Mus musculus

<400> 642  
 caaatcatcg agagtcagtg gaagcagcgg gaacaccatt cattataagt tctttgggtga 60  
 gtttccctct acatagcgaa gaccattaaa gaagcgagac cagcgaagtg ttgcacagct 120  
 agtgaagacc agcaaagcat cgcataaagn cngaagcaa gagcgtcctc tcaactgtctg 180  
 aggggttcca tttatactct ctctgaatat catggaccct ctaacggcgt ctgctccagc 240  
 aaaacatcat cacatgccct ctcgagtctg cttcagcaaa acatcctcca aagacagctt 300  
 ccagaaaaac atcatgggac acaaccaagt ttccaaaaga aactggaaat ggaaatttcc 360  
 actttatcag acattttttt aaaattagtt tttaaaagtc atattagaga agcagaaatc 420  
 caatgagttg cctctgattc agtctgtgca gnttgggtctc aagtatatct taattcttcc 480  
 ctgtgaggac tacaagaata gtgttttaaaa tgatacagct ttagacttgg agtgagtcta 540  
 gagtagactg cttctcacta taggcttata taattgaaca tatacattag atctggcctg 600  
 ttaaaactgna atcatttgga taaaataactt tggtattg 638

<210> 643  
 <211> 147  
 <212> DNA  
 <213> Mus musculus

<400> 643  
 agcggctgga tgacatttgc tctaccaaca acagccatgg aaaagataca agttctcaca 60  
 gnagaatctg acatcancca atgantgaat ccattacatg aactgacact gcgaattcan 120  
 aattcaaggt tctgcttttc caagcta 147

<210> 644  
 <211> 744  
 <212> DNA  
 <213> Mus musculus

<400> 644  
 gctcctgctc caaagagcac gctcgttccc gctggcccca tcaccaagtc gtctgggttct 60  
 cggttccgga acagtgtgga agggctgaat caggagattg agatcataat taaagagacg 120  
 ggggagaagg aagaacagct gattccacaa gatattccag atgggtcatcg tgcgcctccg 180  
 cccctcgcac agagaagcag cagcacacga agcattgaca cacagacccc tgggggtgca 240  
 gacaagggaa gcaacaacag cagccgctct cagtctgtgt cccaacatc cttcctcacc 300  
 atctctaatt aaggcagtga ggagagcccc tggtcagctg atgatctgct tgcggatccc 360  
 agagataaag agaattgaaa caattctcct ttgccaaaat atgcaacctn accaaaacct 420  
 aataacagtt acatgtttta aaggggaacct ccagaggggt gtgaaagggt caaagtcttt 480  
 gaggaatgct cgccaaaaca acttcatgag attccagcct tttactgtcc tgacaaaaac 540  
 aaggggaatt tcatttctna aagnggctct gctttctgcc tcgtgagnat nctcnaacca 600  
 cttttccctt caccagatct tactcttaan ggcttttggg tacaagcctg ncccgttncc 660  
 actgggatga ccaccctttt tgnttcaagg ccatnttttt tggcctncct tgtntacaaa 720  
 cacaaaagca agaacgggtt tttt 744

<210> 645

<211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 645  
 gaaatgagca ggtttgcaga aagactgggtg gcctaaaact gaagcctaag gagtcggtgc 60  
 ttggctntgg ctgagaacat ggccaatgac attgaaaaaa aaaaa 105

<210> 646  
 <211> 190  
 <212> DNA  
 <213> Mus musculus

<400> 646  
 gcctgtcctg cctgctagtc ccccacccan agacaanact ccgctccaca ccatcccacg 60  
 gnagcgtaag cagcctcaac agcacaggca gcctgtcccc gaagcacagc gtcaagcagg 120  
 tcagtgccca aggccctctg tatatcattt ctcacagca ataaagagaa agctttgatc 180  
 aaaaaaaaaa 190

<210> 647  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 647  
 gacttcctga tgtcccctct cttggggttg accctgtgtac ctcacagctg ccttggaacc 60  
 agctcaccca tgctcctacc tctttaaatc tctgaataaa cagaactgcc tcctgttctt 120  
 tgagtgacaa aaaaaaaaa 138

<210> 648  
 <211> 346  
 <212> DNA  
 <213> Mus musculus

<400> 648  
 ggaagtgtaa catctcccat ttttctgaca tattttgctgc tcgagagttt aaagcccag 60  
 tggactcatt tttctacata ttaggataca accctgagac aagtttgaac gttcagagtc 120  
 tcggnccacc tgcttggtg actggctgct cggcttgac ggcgttggtg tacagccacc 180  
 tgctttgatg gaagatttgg agttcctggc tctgctttgt ggtgacctct gggtttccga 240  
 gttgatttta catgcattga aatcagcaac actgctttct ctgnttatgc atttgntctt 300  
 tattctcctg tcttgagaaa atacattttt ggggaaagtt aaagaa 346

<210> 649  
 <211> 152  
 <212> DNA  
 <213> Mus musculus

<400> 649  
 gactgagaat tggcacagaa agaggaggaa gaagatcctc ttgctgaaga aaaacgacta 60  
 gaagaagaaa ggttggttaga ggaagagagg cagagactgc atgaagaatg gttactgagg 120  
 gaagaaaagg cacaagaaga attcagggca aa 152

<210> 650  
 <211> 402  
 <212> DNA  
 <213> Mus musculus

<400> 650

tggcctctgt	gaaggaaagt	ccactctagt	ccctacctgc	atatctcagc	cttgcttacc	60
tgttgcgaa	attgggcaa	ctcgaattct	tcccaatctc	tatcttggct	gccagcgaga	120
tgtcctcaac	aaggacctga	tgcaacagaa	tgggattggc	tatgtgttaa	atgccagcaa	180
tacctgtcca	aagcctgact	tcatacctga	atctcacttc	ctgcgagtgc	ctgtgaatga	240
cagcttttgt	gagaaaatcc	taccatgggt	ggacaagtct	gtggatttca	ttgagaaagc	300
aaaagcctcc	aatggctgtg	tgcttatcca	ctgttanctg	ggatctctcg	ctccgtcact	360
attgctattg	cctacatcat	gaagaaggat	ggacatgtct	cc		402

<210> 651  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 651						
gactgagatg	gacagtctga	ggctgagaga	gggctagtga	tttctcggac	acttgggcag	60
taggtaacgt	tatgaccgat	gaattgggcc	tgaaatanag	catatatccg	atcatcaggg	120
cttctcctct	gcagctacat	gcaccccaaa	aaaaaa			156

<210> 652  
 <211> 388  
 <212> DNA  
 <213> Mus musculus

<400> 652						
ggaagtaaaa	ggatccagag	agaaggatcat	tagtgacgaa	gatctagaat	tactgttgga	60
tcgaagtgat	ctcattgatc	aatgaaggc	ttcaagacca	attaaaggga	agacagggat	120
attcaaaaata	ctagaaaatt	ctgaagattc	cagtgtctgaa	tgtttatttt	aatgtagaac	180
taaatggctt	ttaaaaactt	tggtttacat	ccattctggt	aatttgcttg	ttggctttga	240
aatccatatt	gttcacttta	cttttataat	atatcagttt	ttataatgta	actagtattg	300
catacttgat	gaaaattttg	ngggntttac	ctaagtntaa	aattcctata	aattttaatt	360
tttcagtnag	tttttgggac	tgggtagt				388

<210> 653  
 <211> 124  
 <212> DNA  
 <213> Mus musculus

<400> 653						
ctgccacaca	gcccanggat	gcccttnctg	gtactggcac	acagtattta	ttggncnna	60
aatgactggg	attgggctct	gagcatnccn	gntccctgtc	tgccctattt	cagggcttgt	120
ccta						124

<210> 654  
 <211> 403  
 <212> DNA  
 <213> Mus musculus

<400> 654						
tectactctg	ctgtatcatg	gaaccgcgga	ggaccgtcgg	aaattagtaa	agaatatcca	60
caaaagacaa	gggacactgc	agattcatcc	tgtgggtggc	acatcattcg	agatcgctat	120
gcgagaccag	aatgctttac	agcttttgagt	cttgggtttga	tactactagt	ctttctgaaa	180
ctgctgaaga	tattatagct	aaagagagag	aacagaatgt	tttacatatg	ctgcaccaga	240
ttttaacgcc	tttcctactg	agaagactga	agtctgatgt	tgctcttgaa	gtcccccta	300
agcgagaagt	agttgtttat	gcaccacttt	gcaataaaca	agagatcttc	tatacagcta	360
ttgtgaaccg	cacaattgca	aacatgtttg	gatcccgaga	gat		403

<210> 655  
 <211> 145

<212> DNA  
<213> Mus musculus

<400> 655  
cagactgagg tgtattccag agaacaattt tgagatatct ttgcttatat ttgacattga 60  
gcagtcaggg gatttaggca tatgaggagg tactgtcaca taaaacagtg tctagtgaag 120  
acgacaagaa agagagaaaa aaaaa 145

<210> 656  
<211> 453  
<212> DNA  
<213> Mus musculus

<400> 656  
gtttgggaaa agggaagtaa tgacangntg ncacctgaac taaatctttc atagacnacn 60  
ccntnccaga tcttcangan gaanggggat atgccccang nccncataac taccctgtgc 120  
ggggattgct agttttacgg acctcctgaa ccagcgtgcc ttctcccatc tcctttacct 180  
gctacaacta caaanagcct cctttttant tcccgantac caaaaaaggg gganactgct 240  
ttttgggcct tgnnaggggg aaagaacaat tgtggggttt aaacaagntn tgnnccataa 300  
gtnttcaacc caggggtttt caccagnatt cnacataaaa aacctggaan agaataaacc 360  
tttggcaagg gnatnaatcc cccgaagggc agaatanccc cccgttcttt gttttgcaag 420  
gccccgtcct tgggcaaagg ggatttccca aaa 453

<210> 657  
<211> 143  
<212> DNA  
<213> Mus musculus

<400> 657  
gactgaggaa ttcacatgnc gacaaaaaaaa gacatttttc ttggtagctg aacaaaggct 60  
gaaggactgg catnacnacg gnggctatcc tgagggaccg cacatggcgt acgatatgga 120  
naacacggga agccttacct cat 143

<210> 658  
<211> 507  
<212> DNA  
<213> Mus musculus

<400> 658  
acctgagccc tgggcatctc tctagaagcg gtgcgatcat ggaggtggtg ccggccgagg 60  
tgaatagttt gcttccagac gacataatgg aactgtctat aacgttagtg gatgaggata 120  
gtattgaggc tgtaattgtg tcatccccaa ttcccatgga gacagagctg gaagaaattg 180  
tcaacataaa ttctaccggt gactctacag ccacgccccat ttccacggaa ccaatcacag 240  
tgtacagtaa ccacactaac caagttgcag tgaataccac agtttctaaa gcagattcta 300  
ataccacagt gaaaccagca tttccaagtg gccttcaaaa acttggtgct cagactcctg 360  
tgactatatc agccaatcag attattttta acaaagtatc acagacatct gatcttaaac 420  
ttggcaatca gacccttaaa cccagatgga cagaaagtta atattaacaa cttttgggca 480  
aagtcttggt tcaacaaatt ggtttaa 507

<210> 659  
<211> 154  
<212> DNA  
<213> Mus musculus

<400> 659  
gactgagaac cctgagcctg gaggttttct ttccccccct cctcctgagg cttagttgat 60  
ttggagttgt catggcaaca ttttttagcaa ctgtgttgct ctacaggaag ctttgctgaa 120  
taaaataaag aagccttgaa catgaaaaaa aaaa 154

<210> 660  
 <211> 280  
 <212> DNA  
 <213> Mus musculus

<400> 660  
 gactgagctt aaattcccta ccaggccaaa ggtgaggggtt cctacaattc ccatcacaaa 60  
 gcctcacacc atgaagccag ctccacgctt aacacctgta aggcttgctg cagcctcccc 120  
 cattgtgtca ggagccaggc ggagaatagt gcggtgcatg aantgcaaag cttgtgtgca 180  
 aggagaatgt ggagtctgcc actactgtag gggacccttc tagtttctgt aaatattgaa 240  
 tcagtgtgtg aataaaaaatg tgctaataaa tgaaaaaaa 280

<210> 661  
 <211> 126  
 <212> DNA  
 <213> Mus musculus

<400> 661  
 gactgagcag tccccccacc agcctctgtt gtctgtgtgg tcttttccca ttgccagtcc 60  
 ttggganggn tttctatttg tcctgccttg agcctattaa acagcctccc ccgtgaaaaa 120  
 aaaaaa 126

<210> 662  
 <211> 134  
 <212> DNA  
 <213> Mus musculus

<400> 662  
 ttcaggatcc cccggtgatg actactcttg agggncctcc ttggggggtn anctgggcnn 60  
 cnntggccaa agaaaggaca aaagcttttn gggggatnan gttaatttaa agactttttg 120  
 gttcaaaaaa aaaa 134

<210> 663  
 <211> 565  
 <212> DNA  
 <213> Mus musculus

<400> 663  
 aagccatgct tgttttntgg ntgnacccca ccgtctgtat gtacagctng cctccagctt 60  
 ctatgacttc tctttccttc cctagctggc ttgagccatc ccgagaaacc catctctccc 120  
 aaagggaaaa cccacataga aagcagagag gaaattntac aggccacacc ataggggggcc 180  
 attcagagtc agagccaagg ntcccccaaa ttgatgacca aagtagtttt cctgtatctt 240  
 cagtttgctt acaaagtagg atgccattga tgccttacct acctagggtg agaggccctc 300  
 aattacctnc tcacacggcc tggaagcccc gatccctcc gtcagcatct tgcctccttg 360  
 cccctctagc atcagatgtg cttgggtcact tacaccaggc catgacctta ttctagaatg 420  
 ctctatgtct caagggtgat gcctagcgaa ctgggctctc tggagtatna accagatgtt 480  
 taaatacggg ctacagttacc tacacccttt ttttgtcaaa attatccact tganatattt 540  
 aagttcagag gaaaagttaa cgggc 565

<210> 664  
 <211> 446  
 <212> DNA  
 <213> Mus musculus

<400> 664  
 ttgagacata gaaggcattc ctcaananag tnntggngctg ntgtaagnna ccaancacat 60  
 nggatgctat agggggcacag gaggctaaga tgctgacctg aggggatcgg ggcttccagg 120  
 ccgcgtgagg aggttaattga gggcctctgc acctaggtag gtaaggcatc aatggcatcc 180

tactttgtaa	gcaaactgaa	gatacaggaa	aactactttg	gtcatcaatt	tgggggagcc	240
ttggctctga	ctcttaatgg	ccccctatgg	tgtggcctgt	anaatttcnc	tctctgcttt	300
ttatgtgggt	tttccctttg	cggagagatg	gngttttttc	cggnatggct	tcaanccagc	360
tagcggaaag	ggaaaagana	aagttcataa	aaaancctgg	agggcganct	tgtaccanac	420
cagaccgggt	gggggtacca	acccag				446

<210> 665  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 665						
tagctggcct	acaactcacc	atgtatgcca	gaaaagaaat	gtacctgtct	ctctgcttct	60
tgattgttgg	gattaaagat	gtgtntctaca	tcagcaaaaa	aaaaa		105

<210> 666  
 <211> 243  
 <212> DNA  
 <213> Mus musculus

<400> 666						
cttcctcttc	attgacaagt	taccagcac	cgtggtttct	cagttgtttg	ttttgaatga	60
tactgatctt	tgcgttccgt	gttacagact	tggactccag	gataatgagg	gtttaaatta	120
tccagatgct	cattctttgc	cagtgncata	tttacaataa	ttcgtanttt	aagcctttaa	180
tttaaaaagc	ctgcttttaa	tactgcctgt	gagtaaacc	ttgataaaaa	gacatgtgaa	240
aaa						243

<210> 667  
 <211> 172  
 <212> DNA  
 <213> Mus musculus

<400> 667						
ctcctgcaca	cacgaagaaa	gcaggatcgc	ctcactgtgc	tgcctccaag	tgttggtcccc	60
aaataccact	gaccaaaaag	caggtgtttg	cggatcagtg	ccccctggaa	gtgagtcata	120
ggcattgttc	aagaaggaag	cagctaagac	aacatgaatg	aacaaaaaaa	aa	172

<210> 668  
 <211> 115  
 <212> DNA  
 <213> Mus musculus

<400> 668						
gactgaggat	tctgatgctt	catgacatgc	catcatgtag	agcaataatg	aacactggcc	60
tattttggac	tangcctgga	caattttggg	accctccgtc	tcaaaggaaa	aaaaa	115

<210> 669  
 <211> 346  
 <212> DNA  
 <213> Mus musculus

<400> 669						
actgtatggg	ggcagccaca	gcatccacaa	ctcccaggnc	cccagtctgg	tctccggagc	60
ggacagcccc	ccctccagtc	ccaccggaca	caactgggag	atgaattatc	aagaggcggc	120
aatctacctc	caggaaggtc	aaaacaacng	acaagttctt	cacccacccc	aaggatgcca	180
nagcgctggn	ggcctacctc	ttngtccaca	accacttntt	ctacatgatg	gagctgctca	240
cggccctgct	cctgctgctg	ctgtcgctgn	gcaagtcccc	cgctgtcccc	gtgctcaagc	300
tggacacttt	acgtccacgc	cacgctggaa	ctctttgccc	tcattg		346

<210> 670  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 670  
 gacttggcaa gcctgaggag caccanaag ctgggacana gccannctga ncccgagcag 60  
 acactgcagc ccaggagggg ctgccagggc tcctcgtgaa tcctgacaac accgccatca 120  
 ttaaacattg ctttctcttt cctccaaaaa aaaaaa 156

<210> 671  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 671  
 gactgagatt ccagaatttg ataacttgta cctggatatg aatgggatta tacatcagtg 60  
 ttcccatacct aatgatgatg atgttcactt cagaatttca gatgacaaaa tctttactga 120  
 cattttttcac tacttggagg tgttggttcg aattattaaa cctaggaaaag tgttctttat 180  
 ggctgttgac ggtgtggctc ctgagcaaaa aatgaaccag caacgcggga ggcgttttag 240  
 gtcagccaag gaggcagaaa aaaaaaa 267

<210> 672  
 <211> 583  
 <212> DNA  
 <213> Mus musculus

<400> 672  
 ccagtgcagg tgcattgtac canatggatg tcactagntg acctncccaa agcctgtctg 60  
 acactcgagt canactnatt nttcntcntg taaatgtgaa agngcacctt ctctgcggng 120  
 ctcaaacctc aagcttgatc tgttccgggc atgcnaagggt ggcnnnggtgg gccagctgac 180  
 ttacgacana cctgaagggc acagactttt gatatttgatt actgtaaaata tttggnagtc 240  
 tgtgcttctt gngttaaaaa taaattgnta agaccactaa atacctaaaa gaaatctgtc 300  
 ctaagnggggt aaaacttcgg aaaaccacaca acgagaagaa gtcggtcctg atgctgatcc 360  
 tctgcagctc cgctgtgcga gccctggagc tcatcaggctc tctgacagca ttcaaaggag 420  
 atgccaaaag ttatgaaatt atttgcaaaa catataaagg gtccangaac aggtaaaagt 480  
 tgccctggaga aancgtgnga taccacctgg gtgtggggga cntccgggga agaattnaaa 540  
 nacttgggtca aaacnagaat gggctccatt tgaaccctt aaa 583

<210> 673  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 673  
 tgtggaactc taaaagggtac ngacaggaag catggccttg atccatatat ntactgcctc 60  
 gaatcgatga attcgagctc ggtacccggg gatcngaagt tcctattcgg aagntcctat 120  
 tctctataac cgnatacgga acttctcgac ctgcagagca tgcaagcttc gacctngaca 180  
 gtctganaag gantgagggc tggatatggg ga 212

<210> 674  
 <211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 674  
 atagactgag gttggagcag ccctacttca acgccaacgc tcagttcttc caggcactgg 60  
 gccagtgtc gtctctgcag cgcctgtgcc tggatatctc cagcggcacc ctgcagccag 120



atgccgtgct	ggcctttatg	gcccgttgcc	tgcaggtcgt	catgtgtcac	atgttcaccg	180
gagaatccct	taccacctgc	aagagcctgc	agcagtcgct	cctccggagt	ttccaggccg	240
agaggcccgc	ggtgaacgtc	gtcatcttcc	ccctgctcca	cgagggcctg	acagatgtca	300
tccgagatgt	ccccatgctg	cacctggatg	agatnancct	gntcaaaaanc	cgtgtggntg	360
atgaaccggc	caacctatgg	tggtgaaagg	accttggcag	ccggccaaca	agtcttgccg	420
cacgtcacca	at					432

<210> 675  
 <211> 342  
 <212> DNA  
 <213> Mus musculus

<400> 675						
agactgagtc	gagatttctt	atztatcggt	atcctggaaa	gccaccaact	caagtcacag	60
ataatggcct	tgaagacaag	attattctct	gttattcaaa	taatggccat	tatgattctg	120
tatatcaaaa	agaatttcaa	tcaactgcag	gaatttgtca	agctatatta	tatgaacttc	180
tttataaaga	tgtatttggt	gtggatgaag	aaacggtgaa	aactgcagtc	gatttatttc	240
gaagtgggtc	caggagaaac	aaacaccatg	ctttggctgc	ctgatgtaat	ctctctgggt	300
tgaggcatta	ttaaaagtgt	gatttgtgcc	taaaaaaaaa	aa		342

<210> 676  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 676						
gacgtctggg	gagctcctgc	attaagtcaa	gaactgatnc	ccctgtacac	cgaantttag	60
accggtcaca	gctcangcgg	ccctagacgc	ttctggcaca	gggatggagg	ctggctggtc	120
actgctgctt	tgaagtcctc	aaacatcttt	gaacaggtga	gaagaaacta	ctttttcctc	180
tcttttagacc	tctgaccag	aagggatctg	aacaaggaat	ctgaatttaa	aaaaaaagaa	240

<210> 677  
 <211> 292  
 <212> DNA  
 <213> Mus musculus

<400> 677						
gactgagctt	tctccagacc	agatcgtctt	gctttttggag	tggctcttag	agcagaagac	60
gctgagccct	cagacactgc	actgtctcca	gcagacttac	catctcccgg	agcaggatgc	120
agagggacgt	cctgactaca	tacatgtact	gtggactgcc	cagcaatcga	tgggtgtgaa	180
gccgtccttc	ctctgaagaa	ctctctgcct	gatctgtcct	cagagcccga	ccatgctgct	240
ctccgtctgt	ggcattaata	actgaataaa	tctcttacc	aaagaaaaaa	aa	292

<210> 678  
 <211> 454  
 <212> DNA  
 <213> Mus musculus

<400> 678						
gggcaaaaac	caatccagac	ctgcactgcc	agtgaggaat	acctgacct	cacctaaagg	60
gacaaaggag	tcaaggagt	tgctcgggag	ccatgtgcac	accgtccatc	ctgtgtgcag	120
tgctgaggat	gccgtctgaa	cgagggagcc	agagaacatt	gcagcatccg	tcacccgcag	180
ctgtgactct	gcagacttac	agactaaaat	cacagcagga	tgactgttgg	atcctgcctc	240
accatcatct	cccgttcttt	cctatgtgca	ttttctacag	aaagggttatt	actgaaaagg	300
gagttggagg	aagaggatgc	tattttaatct	ccaaatagcc	agccgcgtgt	tccacaaaac	360
tcctggccaa	gtggccatta	ctgttcagcc	tggacctagg	aaactgctat	ctttttgtcc	420
actgggagta	cccaaaattt	ccttctggga	caga			454

<210> 679  
 <211> 382  
 <212> DNA  
 <213> Mus musculus

<400> 679  
 cagaagagaa gcttatgtna taataacacc acttagaanc aaaaaagntg atagagcaaa 60  
 gatgtataga ctacagtctc tctattgaag gaatatcgga ctttttcaaa gcaaagcatc 120  
 aagaagaaag tgactcagat atacatggaa ctccaagtgc taccagtaag tctcaagaga 180  
 cctttgaaca tagagtggga tttgaaggca ataccaagga ggactgcaat gaatgtgaca 240  
 taatcactgc cagacatatt cagatacctt gcccgaaaag tatacaaagc ctnaccaatg 300  
 attttatgaa aaagaacnng ttgccctcaa aactgcagaa aactgaaaat cnaatagggt 360  
 gtatcacagt attgccggtc ct 382

<210> 680  
 <211> 770  
 <212> DNA  
 <213> Mus musculus

<400> 680  
 actgagggaa caagactggc agacttgccg aaagaaacgt catgnggtta tgtancgtgt 60  
 tctngannaa ggacttcgga gtcacctact aggagtcttc cctccctccc tccctcttnc 120  
 ctgcgcccag catcatggcc gntcgccctga tgaagcgggtg tacctgcctg cttcgagagg 180  
 ctacccgcct agttcctact gttgccccag ttggccgact gagacttgct ggagtgtcct 240  
 gcaagacttt gacgtcctct gtcagtctcc cctcctcggg ctccttgccg gagctgttgg 300  
 ggaaagagca ggtgtttact ccgtacccag agcaccaaga gctggacttc ctcattgaga 360  
 aagcctccag accagagcag ctgctggagc tgctgggttc tgaccatagc ctgcaccaca 420  
 atcacgcggc cctcctcctc atccgcctgt cctacctgct gtctgagaag ccaaaggaaa 480  
 aggccttgct tgcaaaggat gctcgctttc agcgacttgt caagctagtt gatagtcagg 540  
 aacctggtan gnacttcaga gacaagcagc ccaacactgg cctgctatca ggagtagagg 600  
 agatgaacct gcttcttcca gttccttggg acttntctgt nacaagcaga ncctttgact 660  
 taaatcccta ccaatctttt naanatctgg gtgnccattt ggacttcctt tgaagccaga 720  
 aananaatcc anattggtna atggaggnc ctaaacctag gacttccttt 770

<210> 681  
 <211> 408  
 <212> DNA  
 <213> Mus musculus

<400> 681  
 gactgagtct tgttttcaga ctggactcag gctggccttg aactcccagt gtagctgagg 60  
 atgacctttc gctcatggac ttcctgtttc cacttcctaa gtgctgggat tccaggtccg 120  
 tatcacctgt atgtatctta ctcatatcac cgcattctct gagtaccat cccctttata 180  
 atagcatctt tggcttgggc tgaggcccca gtcagcagca tatctatttc tttttgctta 240  
 tcttcccatg ttttctgtat tgaaactatt cccagtgtat agtggttcaca tgagtccttt 300  
 tctcacttgg tacctccctc catcatcaag ttgctgagtg aaatgaacaa tataacggtc 360  
 ccctaattctc caggagggac tttttaaata aatgtgtttt aaaatcat 408

<210> 682  
 <211> 388  
 <212> DNA  
 <213> Mus musculus

<400> 682  
 gaggagcctg aagctaccgt ggactctgct gtggcgtctt ggccccagc tgccggtcct 60  
 cccagtgag aagtcccacg agtcttacag caggtaaggc ccgctcggtg gcgccccagg 120  
 acagttttgc attagaacgt tatcattcat ttcaacctta cctaaccgat agccgtagcc 180  
 ctccgtgctc ttggtggacg tggttaagcaa gcgctctgcc taagccgagc cttgcgctat 240

ttgtaaaatt	cccaacgctt	gtcctttttt	agactcgaca	gttctgaaca	gggcgtgtga	300
tgggggtgtg	ggagggtaga	ggtcaaggct	ggccagttag	attgtctggc	tttttctttt	360
taaataaatt	agctcactta	aaaaaaaa				388

<210> 683  
 <211> 226  
 <212> DNA  
 <213> Mus musculus

<400> 683						
ccagcagact	ttaccctttt	ggccagtgtt	ggagtttccc	tttgccggaa	ggttggatga	60
aggaaagaga	cctccagcct	cagcgttctn	ctcacattct	gagaggaaag	gaggaagagg	120
gccatgctgt	gnggnccaag	gctggccttg	cccggggaag	gagccaaaaa	ctcccgggga	180
aaatgatgga	agatggaata	aatcaataaa	atcagaccaa	acaaga		226

<210> 684  
 <211> 206  
 <212> DNA  
 <213> Mus musculus

<400> 684						
ggtctagggt	ggtctggaag	aagatgtgta	gctgatgatg	accctccatc	agcttacgat	60
cctcctgcct	cacctcccag	gggctgagat	gacatccacg	tgtacccatg	gctttgtgcg	120
tgaaccacca	gcactgtatg	gcgctacctc	cacagccata	aaatgctaac	attttaataa	180
atttttagct	aattgaaaaa	aaaaaa				206

<210> 685  
 <211> 210  
 <212> DNA  
 <213> Mus musculus

<400> 685						
gataagaacc	tattacattt	gttttctata	aatggaaagt	atctggggtc	tcaagtcctg	60
agtgaacaaa	tatcagacat	gtgcataatt	ggagaacaca	ttatcactgg	cagcttacaa	120
gggctcctgt	ctataanaga	gctccacagc	ttgaagctca	gcgtcactcc	attanccatg	180
cgannaccta	tccactgcgt	tttataacct				210

<210> 686  
 <211> 338  
 <212> DNA  
 <213> Mus musculus

<400> 686						
atggttgtaa	gctgctgtgt	gtgctgggaa	ctgaatcgag	tcctctggaa	gaacagcagt	60
gctcttaacc	ctgagtcatc	tctgccccat	cctgtatatg	taaagccctg	ccttggtcct	120
tgcagactga	tgggttcaga	agacacttgt	gtttcttggc	ttaaactt	ctcctaaatt	180
ccaggctcctg	cacactctaa	gaaggaactt	ttgagtttcc	ataccagtcc	actgtctccc	240
cctcctggac	agccagaacc	ttgagagccc	ggctatgcag	tcttgtttgt	ttgcccacct	300
tactgtcaat	aaaggtgatg	ccatcctaaa	aaaaaaaa			338

<210> 687  
 <211> 371  
 <212> DNA  
 <213> Mus musculus

<400> 687						
agatctacct	gcctctgctg	atgttcctnt	ggcttgtgct	ggctgangcc	agannagggc	60
gtcagatgct	caggancnan	acacacttac	tgacagctgn	naatctgctc	tttgggtggc	120

tggnnnntnca	anagtannaa	aggcnnntaa	gnnttcttaa	ccncagangn	taggngctng	180
atganncctg	gcactcnggt	ttgngtggac	ctagggagag	gtttccactc	tgcctttccc	240
caaaactgat	tgcattctga	gatctcagca	ttgagaccct	taaaaagctc	cacctgcagt	300
tagtttagaaa	cttgttgtcc	tgtgggagtc	aaggaaaatc	ctccnccct	aaaatatttg	360
aaatttttat	t					371

<210> 688  
 <211> 424  
 <212> DNA  
 <213> Mus musculus

<400> 688						
ctgaggtggc	tggatgtagc	agttgggctg	gtgagagcat	acctggctaa	ggggagctac	60
catagccttt	attattcaat	agaaaggcct	ttgaagttct	tccagacagg	agccttactg	120
gagattttac	attgtgctat	agggattgtg	ccatcttctg	ttgtcctgac	ttctttccag	180
gngatgtcaa	gagttttcct	aatatgggca	gtgacacata	gtgtcaaaga	ggtgcagagt	240
gaanacagtg	tacttctgtt	tgtcattgcc	tggacaatca	cggaaattat	cccgttactc	300
cttttacaca	ttcagtctat	taaaccatct	gccttatatc	atcaaattgg	ccaaggtaca	360
cactttttca	ttcnnggctg	gaccccaaag	gggagtgacn	gggagaagct	cctcacaata	420
tacc						424

<210> 689  
 <211> 257  
 <212> DNA  
 <213> Mus musculus

<400> 689						
gggagccaga	cacccaanga	gaatctactg	aaactacagc	ttgctaangt	tgtcttaaca	60
aaagatagaa	gctcaacttg	acaagattcg	tctggatccc	agggtaatgc	angacaaacc	120
cacaccattt	tncatctgtg	cgcacataca	agcatngnn	tgagccagta	agcancgagg	180
atggtaaagc	caggtgttng	acagcaganc	gtancatcat	tttcttacia	taattttattt	240
gtttctagac	aagatca					257

<210> 690  
 <211> 411  
 <212> DNA  
 <213> Mus musculus

<400> 690						
attcttacta	acggattttg	ctgcagcgca	cttccgaccc	aatctagagc	atgcagagtt	60
ctaccataaa	tatgaccggc	ggtggcagga	aacatctgtg	gtacatgcc	gaagaataca	120
tcagacaggg	aagactttcc	gttaaaactg	atgtctacag	cttcggaatc	gtgatcatgg	180
aggttctaac	gggctgcaaa	gtgggtgctg	atgaccogaa	acacgttcag	ctgcgggacc	240
tcctcatgga	actgatggag	aaaagaggcc	tagactcctg	cctgtccttc	ttagacagga	300
agataccacc	ctgtcctcgg	aacttctctg	caaagctctt	ctctctggcg	ggcccgggtg	360
ggtggcaacc	aangccaagt	ttaagaccca	cgaatggacc	gaaaggctcct	t	411

<210> 691  
 <211> 657  
 <212> DNA  
 <213> Mus musculus

<400> 691						
gagctttgag	attcttctnc	ggggatcggc	cataaaaaga	cagaataaaa	cgcacgggtg	60
ttgggtccgt	ttgttcggat	cctcgaggcg	cgccatttaa	atggcgcgcc	ggccagcgag	120
gccgnaccc	aattcgccct	atagggaaaa	tgtgaactga	tagttaacca	agccacagag	180
agctctgtgg	ggagagacca	ggtgacctca	tgatgtccct	cagtgtctga	ggtctggaga	240
aactgaccac	agctcatagg	tcagggtgacc	aacggaggca	ctgactaatc	angattgtag	300

tactgtgact	gtggggatca	ttaaggggtct	aggggtgacc	cgcaagcctg	gagcttaggg	360
gcctagacat	ttgccacttt	gatacaaagg	ggtggtcagc	attctgtctg	tcctattntt	420
ttccaagccc	ccctgggttc	cccgtccttg	ccgccttnct	tttttagggg	ccttctctta	480
ccataagcct	tgganctggc	cttgaacttt	ttttttgcca	gaacccgggg	cttgaccttg	540
ggaagctnac	aggnagntc	ntatcttacc	ntgngctgtg	tttctgaang	ggtttggggg	600
tngcaannnt	tacccccang	cttccttggc	ccccntttt	ccattaaaac	aaacccc	657

<210> 692  
 <211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 692						
ggtcctcctc	tatggcctgt	ccatgagctc	ctgccttgac	ttccctnca	gatngactat	60
aaactgtcag	ctttgagtct	cgatnaagaa	cacagatnaa	gatggaacaa	ttaccttttc	120
ggnacccggg	caccacttgt	g				141

<210> 693  
 <211> 544  
 <212> DNA  
 <213> Mus musculus

<400> 693						
aactgagttg	aagcctgaga	caagacaatc	ccagagagat	gaagtgnatg	accnaataac	60
acctgctctg	tgaggaaatc	cactgcacct	gagaaacgtt	gttgccagtg	ttgctgcttg	120
tgatacanat	ggaaaggagc	ccgggaatcc	attggacagg	ctcttctccc	tggagcagca	180
agcttctatc	ttacaaagtg	ctgaatacag	cttctgataa	agaactggaa	gctttcaggt	240
tgcttcgagg	aaggaaagt	ccgtcaatat	tgtanaacac	aagaaagaaa	tttgggccgt	300
ttcanangtt	ggagaatttg	atagacgtgc	cctttgatcc	aatataaaac	tgctgttgaa	360
gttgtaactc	cattctctgt	ccngagaaca	gacggaggaa	aaaagtcnca	gggagaaagt	420
ggctgcttga	naaangttca	ttcaaanccc	nggggttgan	ccaagaaaan	actttaangg	480
gcagcttaaa	naanattcgc	atcttttttg	ntttttggna	cttccgaaaa	aattgcattg	540
ggct						544

<210> 694  
 <211> 265  
 <212> DNA  
 <213> Mus musculus

<400> 694						
agactgatga	atgctgacca	gtgagatgcc	agcctgcgtg	tgaagatcct	acagcagaag	60
tgcatggcca	gtgacacaag	aacttgctgt	agatgccagg	acttggnagg	tgggncttga	120
tcctnaaga	ctctgcactn	acaccncacg	acntaatnnn	tnatnactnt	gncntccan	180
cccaagcatn	tacnanttna	ntgcttttnt	tagtactggg	atgtttgana	tggggctctat	240
ntacttgtnt	cttgctgtcc	ctatc				265

<210> 695  
 <211> 132  
 <212> DNA  
 <213> Mus musculus

<400> 695						
tgaggaaactc	tcaaaggntc	ggacaaggna	agcatggcct	ggttccatat	atctactgcc	60
tcnaatngat	gaattcgagc	tcggtacccg	gggatcgaag	ntnctattgg	gaagtncccta	120
ttctctagaa	ag					132

<210> 696  
 <211> 514

<212> DNA

<213> Mus musculus

<400> 696

gcctcctgct	gctcctatnt	gtgggattga	tcatnaccta	tgngatgctg	annanccaaa	60
agataaccnn	ganggcttag	agaaggtnca	gcaaggatga	ggctgtangg	gccttctcca	120
tatctcctcc	anaanaggna	ccaaggggtca	cagnttacaa	gatggtnaag	ctggctgcac	180
tnagccctc	tttgggacat	ggggctgtat	tctnttcatt	ttgacaacct	ggatccctnt	240
ctntnttgg	catcctttta	gaagccaana	gaaagggtgg	ttgtgaagcc	tntnactttc	300
cttatgctca	gangctnaac	attgctngtt	ggtcctgtcc	atctcacagc	taaagctccc	360
tgtcncttcc	accgagactc	tnctcttacc	tntntcttct	accacttgtc	taanngattg	420
acatgccttc	acctctntgt	ccagaactgt	acngttacat	ggcagctctt	ccctananac	480
actttccatc	ttnatgaaga	cttctggacc	cagg			514

<210> 697

<211> 101

<212> DNA

<213> Mus musculus

<400> 697

gaccactaga	caggagatgc	tgccaagtgc	cccagacggg	atcaagactc	caatgacaac	60
cataagattc	cctaaagcta	agacactgca	aagaaaaaaa	a		101

<210> 698

<211> 306

<212> DNA

<213> Mus musculus

<400> 698

agactggcct	cttgacttgg	atttcccagt	cttcacaagc	acaagacaaa	cacattttctg	60
ttcattataa	atcactctgc	tccagacatg	tggttacact	ggaacaagat	ggaccaagac	120
aggcaacgtc	cttacaagaa	cctcaacgtg	aagacccatg	ctttgctttg	ctttgtcttc	180
caagatgatg	cttactcagt	ggccaatact	caacacaggt	agaaaccaat	aatcagtgga	240
attagcacat	ttgtggtaaa	caaatgtatc	aataaaaatta	aatgtatctg	tagatgaaaa	300
aaaaaa						306

<210> 699

<211> 359

<212> DNA

<213> Mus musculus

<400> 699

ggtcttggtg	gataccagtt	ctgttttcgag	taacactgct	aaccctgaga	atgagtcaga	60
agagcagtct	tcacccccga	ggagaaggaa	aagacagtgc	gcccctctca	atctgacaga	120
gccgagcctt	aaaaggcagg	tgngnnnatg	nnnttaatgn	gcttnngagg	acnnttntgc	180
ctggnttagn	actngaacac	tnccgaannt	canggnccgn	gatgantctg	ntngacagtg	240
ggancctggt	cnaattang	ncacgatgan	ccctttttct	gcgnctttct	ctantattaa	300
annaantcag	ctttcggtta	atttctatct	tactactgtc	attttaaaac	ctttaattg	359

<210> 700

<211> 381

<212> DNA

<213> Mus musculus

<400> 700

gactgagatt	taggaccgat	aagcctcaat	tggtttgagg	agctttcctc	agaagccccc	60
ccatacaatt	ctgaacctcc	ggagggaatct	gagtataagc	cccacgggta	tgaaccacag	120
ctgttttaaaa	caccacagag	gaatccccc	taccatcagt	ttgcttcaac	tccaataatg	180

ttcaaagaac	gaagtcaaac	tctaccactg	gaccagtcgc	ctttcagaga	attaggggaan	240
naggtnggng	ggggggnaca	tgccctttaat	nntagnacta	aaaaggcaga	ggnnccggtgg	300
ggctctctga	gttatgaggn	cctntngctt	tanttatcan	ggacgaggac	tgccaagagc	360
tgcatactgg	agagatgctt	t				381

<210> 701  
 <211> 274  
 <212> DNA  
 <213> Mus musculus

<400> 701						
gactgagggg	aggcctcaaa	aatgagaaga	ttctatnttt	ggatctgcca	gcactggggc	60
tgtctctgca	gccctggctc	ggaataccca	cacctagaat	ttccaagagc	tggcaggata	120
atgggcgccc	aaagctgttc	acatctcaag	tctccggaac	ccaggacctt	aggtggtaga	180
ctgcaggatc	aatatgagta	tcagaggcag	cagcaggatg	cgatgctctg	tgtgagcccc	240
catgacatcg	tgagatgcca	ggacttggaa	ggtg			274

<210> 702  
 <211> 416  
 <212> DNA  
 <213> Mus musculus

<400> 702						
actgagattt	gaggagggga	aaatatgatg	gtgtgaagat	cctcttagcc	atcacaaaga	60
tatggcaggc	gtgtgaagga	caattgtgtg	cattcattag	ctgcttccgc	caagcaagaa	120
ttgtcatcaa	aaggaagaaa	ttaccagcgc	tgctacattt	aaactcagcc	tgggccagca	180
gccatgagca	gtggccacag	tgaaccttgg	aggccactag	gcaggngnga	aagnttggag	240
ctacattccn	gcnagncttt	ggatcctgnn	ttgggtatnc	ccataatntg	nnttggcaga	300
tagaagcaaa	gctcaacatc	cccaggatgc	ctgcataatc	ggttggaaac	tcaactccac	360
tccatttact	tggtgtactc	ttcaggggtc	gtgagatgcc	atgacttgga	aagggtg	416

<210> 703  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 703						
actgagctgg	gatgaaagca	gctccattag	cagtgggctc	agcgatgcct	ccgtnagann	60
ccnntantag	gagggngatg	ccagctnctn	acccgacgtg	agatgccagg	acttgggaagg	120
tgaaaaa						127

<210> 704  
 <211> 434  
 <212> DNA  
 <213> Mus musculus

<400> 704						
agactgagac	cccctgtgat	gcttcctgac	tgatcatggt	ataagtgtgc	ccggaatcca	60
aaggcagcat	atnctgtgga	agaattgtct	tcatcatgga	gagtcaacag	gatgaagctg	120
ttcaaaccac	aggagcatca	acttctagcg	atgcccaaga	ccaggagagct	gaaaagggag	180
ccaagaataa	gacaactgag	gcaacagaag	gaccaacatc	agagcctccc	ttatcaggcc	240
caggtaggct	gaagaaaact	gccatgaaac	tctttggtgg	caagaaggga	atctgtactc	300
tgcttagttt	ctttgggggt	ggccaaacaa	aggttctggg	aaagtcagct	cttagaaaaa	360
gtctaaacaa	gagtnagact	cacgatngtc	taagtgaaac	cgtcttcang	gaccttnaaa	420
attttgtcat	ttga					434

<210> 705  
 <211> 444



<212> DNA  
<213> Mus musculus

<400> 705

agactgagaa	agaactctgc	aacatgatac	ttgattgctg	tgcccaacaa	aggacctatg	60
aaaaattttt	tggtctgnta	gctgggcggn	tttgtatgct	gaaaaangga	tacntgggat	120
cntttggaan	ganattcaag	ggaccaggac	caacccttcc	cttcgttana	gaacaaccaa	180
atggagaaag	gtgcttaaaa	tggttggcct	cccctttatt	cccagaatt	cacttcccgt	240
gggaggtggn	tcttcgaatg	gtatnaaaac	tgagtgga	agaagacccc	cgaacattcg	300
tntaaatccg	aaattttttt	gtcnaagaat	ctttctttcc	aggaacctgg	ngtggaaata	360
ccattggggg	cnttccttaa	aacctggaat	gccganggtt	gnaagggatg	aaaacttctt	420
ccagcccttt	cgtgaggatg	ccca				444

<210> 706  
<211> 264  
<212> DNA  
<213> Mus musculus

<400> 706

ttcttgtgga	actctcnnag	gtcangacag	gatctgtgta	cncaanngat	acgaacggga	60
cggcacggac	gggantccac	aaggtangaa	gcctgcgccg	nnagatgcca	cgacttnaaa	120
nncgggacca	gtccgacagt	canggccgnc	gccgcnnccg	acgtaancca	cncgcgcaga	180
aacggacgcc	gcggtcaaga	tgncntntgtc	atgccnaacg	ggacgcacgg	acgcacggac	240
ggacttcaaa	aggttaggaag	cctg				264

<210> 707  
<211> 106  
<212> DNA  
<213> Mus musculus

<400> 707

ctccatcact	atacgggaga	tgctgncang	ngccccagac	ngtatcaana	ctccaatgac	60
aaccatanga	ttccctaaag	ctaaagacac	tgcttaaaaa	ataaaa		106

<210> 708  
<211> 205  
<212> DNA  
<213> Mus musculus

<400> 708

aactgagccc	ggactttcgc	gacgccttcc	gtcgtcttct	gtgtatgcta	cggtagggcgt	60
ggaccggagg	agccacgcgc	agtcaccttc	ccagccagcc	ctgttgaagc	caggcagagt	120
ccaccgctca	acaggtttga	tggtatgaa	ggtgcgcgctc	cgtttcccac	gtgaagggcc	180
gtgagatgcc	aggacttgga	ggtgg				205

<210> 709  
<211> 188  
<212> DNA  
<213> Mus musculus

<400> 709

ttaacacact	gagggtctga	catggctcac	cngacnncta	gtgcagnngt	tgctcctggg	60
ganctggatg	gtcnnactgn	gctcaaattc	agacctactc	ggnccacgga	ctgaacttnt	120
caatgtctgc	gtganatgcc	agggactngg	aaggtgggac	aacgtgagat	gccaggactt	180
ggaaggtg						188

<210> 710  
<211> 242

<212> DNA

<213> Mus musculus

<400> 710

actgaggtgg	ggtctttcag	agtcttctctg	tccaagacca	gtgactgcct	gcttccaatc	60
tgtgggtcccc	gggacagctg	agcttgctcc	ggcagcagag	agactctgga	gggcttgctg	120
ggaagtccgg	cccgcctcggc	tatgattgac	ggcagcggct	tccaatcgag	aagcttctcc	180
acttcctggt	tccaggagca	gggaaaagcg	ccagaagtcg	gagatgccag	gacttggagg	240
tg						242

<210> 711

<211> 312

<212> DNA

<213> Mus musculus

<400> 711

cctaccctga	ctgaggtatc	cccaggcatc	atctattgac	ggagcngac	gacnacacg	60
cttaactntg	aaccaggata	cattnatgct	aggctaccac	atgtcggngg	gaagggcnat	120
ngaggacncc	atgtnacant	cctcgagang	gcggctccca	ggacgccggg	ngangncnng	180
ncntcannna	caccantagc	agcantggca	gtggccanaa	ggcngnagga	acagacaaaa	240
gtaccgcggt	ggcgcgccacc	acggcgccga	cctacgtggc	anacgatgcc	ccaccccctg	300
agcgtcgtga	ga					312

<210> 712

<211> 408

<212> DNA

<213> Mus musculus

<400> 712

agtccggcaa	cagctanctg	aganacctgn	ataaaagggt	ctaattacta	canatgaaag	60
aggaagatga	cggacnatga	tgactttaat	gnnancnanc	aggaggattg	atnnctcanc	120
ccgnacaccc	ctctcccntt	cgaatcagnt	tnnggaannn	cncnntaga	gganagaaac	180
ttaaaggggg	gctttctggt	ctttttggcc	tactcccaan	aagatacccg	cgagttcttg	240
agttagatgt	gcagctccaa	gtgaggagga	gtgtgcgcag	tttgagccta	gctgcggatg	300
tgttgtgaag	ccagcgtgct	aatgcagagc	ctctatctac	cttttaggat	tttatgggtg	360
ctctcttttc	tctctttttt	ttcctttttt	ttcttttttg	aatttgaa		408

<210> 713

<211> 295

<212> DNA

<213> Mus musculus

<400> 713

tgaggtgggg	tctttcacen	cgaccgtgtc	tggaccaggt	cttcgagatt	cccatgtctt	60
cattggtggc	tanatgaact	acatgcagtt	tatgcgcttt	gncagtgatg	gnactactca	120
naggatccag	gcgcgagggc	cctgggtgaa	ncngatgggg	cctgtgtatt	tgnagatgga	180
aagaaggaaa	acggtnagct	attcncacag	ngcccagataa	aacctgcgat	tcgcaatcca	240
ggtctacanc	cagagcgacn	aggtttgnaa	catggggcca	gaccgaccgc	ctcct	295

<210> 714

<211> 282

<212> DNA

<213> Mus musculus

<400> 714

tgggggcaca	aatgcacatt	ggtgggaaag	gaaccgcggt	gtngaaagaa	ttatggttca	60
tgggaacact	cacagcanac	cgataaaaaa	ctgccntttc	ccttaaagaa	attaggggta	120
aacnacatnt	ccgnggtttg	aanaggngaa	caccgtttac	aaaaccaagg	aacaagtgat	180

cnatgttaac accacatca aggctttttt tggngangcaa actntttttt caaggccacg	240
ttttggagtc caaaaggcaa gccnncnaag accttttctgt tg	282

<210> 715  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 715						
ggacggagca ccgtgacacc ggggcagatc ctacagacag nctgtgannt cccnaggtn	60					
ggacttttga tcataagcac atnnngaggn ataantgccn tncgtgtggaa cangccncaa	120					
anccaatcat gntgngactg gttgttnccn agacagtggga accactactg naccacac	180					
gcacatcctg nctgctcagn aggtcanttt catagcctgc tanggtctac ccgtagagat	240					
gccannactt ggaaggtggc ttcaacaaac ttctangaca gttcactttg attggaattt	300					
cccc	304					

<210> 716  
 <211> 456  
 <212> DNA  
 <213> Mus musculus

<400> 716						
ctgaggcctc cccagcccag ctgccctgcc ttcactactg tcaagctgag ccctttgcga	60					
gatcgactcg tgggtgactga gtgccagctg acccactcac acccagcctg cccacgtgag	120					
ntcncctacc acttncgccc aggccacttg ctggccaatt cctgcctgcc agtccgcac	180					
accaaccaga tctccaaaca gtttgtggcc cctgctgatg tgcgcgcct gctgacccat	240					
tgcaagggcc cagaccatgg ggtcctagat gccctgcaag tgcttgaggg gctcttccgc	300					
acagatccgg aggccaaagta ccgggacttg ctggttgccat tttaaagatg aaatggagat	360					
gagggcagcn nccaaaagcc ccttanccng aaagaagact gagaggaatg aacagtcagt	420					
tcctacaaga agaaaccggc aggaatggag gttgtt	456					

<210> 717  
 <211> 126  
 <212> DNA  
 <213> Mus musculus

<400> 717						
ggttccgttg acacactgag aacttcctgg ngaaactagt gagccaagct gggacaggtt	60					
tctccttcaa ccacaagaga agccgactcc gagagaagct gagccttctg cactatgatc	120					
caatag	126					

<210> 718  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<400> 718						
ggcaaacata gtcgccatta tgattagcta cccaaaagga cgggaaattt ttgatctggt	60					
gcaaaaagga attccagtaa aaatgcggat agagattggt actctgtcat atgcaggagt	120					
tcatcancgg tcagtntgng gtgcttgagn cccccgcct ttatcaccat tgatgacat	180					
tttctttac	189					

<210> 719  
 <211> 312  
 <212> DNA  
 <213> Mus musculus

<400> 719

cactgagtgt	gtaaagtga	caatggccag	taatcacaaa	tcttcagccc	ctcgccctat	60
ttctcgggg	ggaataggac	taacaggaag	gcctccttct	ggaataagac	ctccatctgg	120
caatgttcga	gtggcaactg	caatgccacc	aacaacagca	agaccagggt	ctcgtggngg	180
tcccttaggg	actgggtggag	ttttgtcatc	tcaaatcaaa	gttgctgac	gtcctgtgac	240
ccaacaaggt	ttgagtggaa	tgaagactgg	catgaaaggt	ccccagaggc	ccgtgagatg	300
ccaggacttg	ga					312

<210> 720  
 <211> 428  
 <212> DNA  
 <213> Mus musculus

<400> 720						
caactgagat	atgcttttgt	gnttanggaa	tttgangggg	antgcncctgn	atcacttttg	60
gtnatatcat	cactggncctg	gtttgaccca	ctggctgnca	ngatnctggg	acctgntgnn	120
nggccctgga	gctatttggg	ngactacacc	ctatcctgca	cataatcacc	tgccgctggg	180
tccagactcn	aagttncaa	atgccttcn	ggctaaaacc	cggacatgtg	agccactgnc	240
aggccccaac	aattacncag	aaccatngtg	gnacctgnga	aaggcatnng	anatttntaa	300
naagcactgg	tggatngng	ctccatggaa	gaagaaaaga	attaaagaaa	acccgtactg	360
gagaaaatnc	tgnaaccctt	gcaanagagg	ccccggagct	ttttccagag	actatgccct	420
atcctgca						428

<210> 721  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 721						
cagaggtgcg	agggggaccc	attttatgaa	gttctgggta	angtgtcncc	tnggaagacg	60
tgactgacag	aaaacatcaa	atctgaaatt	cttggatgag	acagaccngt	ncaccgataa	120
cagaacaaaa	aagaaa					136

<210> 722  
 <211> 213  
 <212> DNA  
 <213> Mus musculus

<400> 722						
cctgctgcc	aggctaata	tgatacccag	actccaagtc	acttcaaagt	cacccacccc	60
agactcagg	atcatgntga	agaagaagtc	ctccaaaaag	aagggttca	aatttntgca	120
ggagaagatg	tttgaagttt	cagcatgtca	tcaggaatca	gttnttgag	cagataagcc	180
agcagatgca	gtgcgtccc	ccgtgagatg	cca			213

<210> 723  
 <211> 424  
 <212> DNA  
 <213> Mus musculus

<400> 723						
gaggtgccca	gatcattgat	ttgatgatgc	tcgtgattga	tgtgaccaag	ggaatgcaga	60
cacagtccgc	agagtgcctt	gtgattggcc	agatcgccctg	ccagaagctg	gttgtggtgc	120
tgaacaaaat	agacctgtta	gcagaaggga	agagacaggc	agcgattgac	aaaatgacca	180
agaaaatgca	gaagactctt	gagaacacca	aattccgggg	tgcaccgatt	attcccgtgg	240
cagccaaacc	tgggggacca	gaagcccctg	aaactgaagc	tccacagggc	atctcagaac	300
tcattgagct	cctgaagtcc	cagatttcca	tcccaacgag	agacccctct	ggaccattcc	360
ttatgtctgt	ggaccactgn	ttctccatna	aggggtcaag	gnccccgggg	tgaatgggac	420
tttc						424

<210> 724  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<400> 724  
 tgcgtcaggc ctagcatact gaagggcaca ccctgcacct tacgccanna tncngntnt 60  
 antnnctgt accgagttgg agtcatcaaa acctattctg aagngaggga gtngagacgt 120  
 tctcctaggt taagggctgg ctccatggcc tcctcagggg attntgttcc caagtgggcc 180

<210> 725  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 725  
 cccacgggttc ggggggggna anaggggaaga ggggagcgaa agncaaacad tctcaaactc 60  
 cggngantnn caaaccacag agctgcctgc agaaaatgna gagacggaaa accatagttc 120  
 accct 125

<210> 726  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 726  
 actgggtgat gaagcttcag actgagncng gagatgctgc caagtgcnc cagacgggatc 60  
 aagactccaa tgacaaccat aagattccct aaagctaaga cactgcataa aaaaaaaaa 118

<210> 727  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 727  
 tttgttgaag acgcttngat accggacggg ccagcnnaca agcgcnngng gcgggatcaa 60  
 gacancaang acaaccataa gatnccctaa agctaacaca ctgca 105

<210> 728  
 <211> 408  
 <212> DNA  
 <213> Mus musculus

<400> 728  
 agactgaggt gtccccact aatagatggt actttacaca tgctcaatgg gtacctcctt 60  
 gcctctaaag cttaccttag tgcccatcta aaggaaacgg cagagcaaga tagaccttcc 120  
 ccgaataata cagtaggctt gggtggacag actgatgcc cagaagtgc cagagaagaa 180  
 ctgaaaaacg cattactggc tgctcaggac agtgctgctg tccagattct cttagaaatt 240  
 tgcttgccta ctgaagagga aaaggcaaaa ggtgcccaatt cagacatctc cctcaggaat 300  
 actcaaggtg tcaccacat cagcactcca agtaaagaaa cagaagaagg agaagacaat 360  
 ttgctctgta accttcggga agttcaagtg ccttatctgt tgccctggt 408

<210> 729  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 729

agaggactac	ataccggtga	agcggncctg	gcgggaggac	actcncntgn	tgccatcacc	60
cnatcagctn	cacatnaaca	taaccgcatc	tggaagagg	gagcctgccc	cnntcctntc	120
atacaatatn	gngacactga	ctaatagtga	cnactnaact	ntgcgtggga	tagcgctctg	180
nctttngttt	ntattgaaga	ttcaaaa				207

<210> 730  
 <211> 123  
 <212> DNA  
 <213> Mus musculus

<400> 730						
agactgaggt	gatgaagtct	cgatcactag	acgggagatg	ctgccaagtg	ccccagacgg	60
gatcaagact	ccaatggcaa	ccataagatt	cccttaaggt	tangaanctt	gcaaaaaaaa	120
aaa						123

<210> 731  
 <211> 413  
 <212> DNA  
 <213> Mus musculus

<400> 731						
aaaggctgaa	gcataaggat	ctnaagttcc	anccnnattc	cttanggagc	atttgccctcc	60
atanaataag	tntaccntna	ccgtgagatg	ccnngactnn	ggagnngntg	ntggaatgcn	120
gctttnnnga	ctgnatctct	gcnattgctg	atatngnctg	aacggnttna	nnncaagatg	180
ccatggaatc	acggaattng	ctntgataca	cctctcccac	aaagggtgcac	atccatgaaa	240
tctctccatt	ataagctgcc	tancgtgtgac	ctggctcatg	acnccagctg	ccatgttaac	300
acggatgagg	gaaagccagg	gaggctncac	ccccacctgc	agccaactaa	gaaatgctgg	360
gattgggaaa	aattgtcttc	ccctaggaag	aacactgcaa	gttgttatcc	cat	413

<210> 732  
 <211> 307  
 <212> DNA  
 <213> Mus musculus

<400> 732						
agggtgtttt	ggaggagtag	ttgtggttat	naagggatcc	cacatgctna	agaatgccct	60
caaagggagt	gagaaatctg	ggatgccnng	ggttccgaga	tttctggaca	gcttgggatt	120
ntctgccgac	aggaangggg	gacctnggcc	cagttatggt	tccnantgga	ggcttttgna	180
gctgagtaca	aagatatgga	ttcaggcttt	angnctanca	agttngntca	gtgtaaggcc	240
tttccctttt	ttttactctg	tngnnncann	ggggaagaaa	anancttatt	ttatgactgg	300
cattttt						307

<210> 733  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 733						
taaccagcta	taccagacag	aagcgaagca	agagtccttc	tgaggactgt	gatctagaga	60
agagagagcc	agcgtcagg	gtccttgnga	agaagaaccc	acgccattca	cannggggcg	120
aattngaacn	tttcntaagn	ntncaggngg	taaagcgcnt	ctggaattnt	ggggtcccgg	180
aacct						185

<210> 734  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 734  
 gtgagggtttg aagacgagca acggatcaaa gaagggagag aaatgaagaa aatcagacgg 60  
 cactccactt acaggatcta taagccgtgt ttcctgaaaa ga 102

<210> 735  
 <211> 224  
 <212> DNA  
 <213> Mus musculus

<400> 735  
 ctgaaacctg tttgctcang ttnnacgtat cagagagctt ggagcggagc ttgncgcccc 60  
 ancgacctgc cactcccact gcctgccttc tagctgttcc anagccatna cagtggacac 120  
 ctgcatcttt actccaagat gatttggcgg gaatcggggtc ccttcccctg cttcataact 180  
 gaatgtcgna atantaaaat tgaaccttga gcagaaaaaa aaaa 224

<210> 736  
 <211> 163  
 <212> DNA  
 <213> Mus musculus

<400> 736  
 gaaattcgat tccgagtctt tggaggctct gaanggacta agacttcttc ggaaacaaga 60  
 agtccgtctc agatgaatgt ggagcattgc aaatacacca ggagccccca aatgaggaga 120  
 aaacacaagg ggtcctgttg gaaaggagta aggagcccaa gaa 163

<210> 737  
 <211> 270  
 <212> DNA  
 <213> Mus musculus

<400> 737  
 ctgagatggg ccaagcctga cattccatga tctgggatcc cgacctatgt gtccaggctg 60  
 ctgcttgata gcggatgatc taaaccacca ggcagtcctg ggccaggaga ggcggactct 120  
 ctgcctggat gtgtggganc tnantncnaa nttgatngnc cnatctgggg ggnatncacc 180  
 cccaccccan aaagaaagca naatntgttt tgtggntggg gnntnaggcg ccacccccctn 240  
 aancatggcc acccctgtgg tcaccaagac 270

<210> 738  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 738  
 tctcgctcct agacgggaga tgctgncaag tgccccagac gggatcaaga ctccaatgac 60  
 aaccataaga ttccctaaag ctaagacact gcaaaaaaaaa aaa 103

<210> 739  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 739  
 ctcgtccttg actggagang ctggctagt ncccagacgg ggttaagact ccaatgacaa 60  
 ccataagant ccctaaagct aanacactgc gagaaaaaaaa aaa 103

<210> 740  
 <211> 134  
 <212> DNA



<213> Mus musculus

<400> 740

agaacgaggg	gatcaaacag	tgctcattct	tcatngcang	gngttgcacn	gaagggttnc	60
ggaattgaan	nacgattatt	ttgccctcct	ccttgtgngt	ttcttatggg	ccgnggggtg	120
gggaaaaaaaa	aaaa					134

<210> 741

<211> 233

<212> DNA

<213> Mus musculus

<400> 741

gggtcttggtt	agtctcagct	gactgaccta	ggnaatgggc	taggaacgga	acagccaagc	60
accggggcat	ngtcttgctn	gtcctcacgg	gcaagccctg	ttgcatctgg	gcagnggctc	120
tagcntctct	ccaaaacatg	gactgcttgc	ccaccccaag	tngctggngg	ggaattgtct	180
ataagcccaa	cgttttctgt	nanaagccan	gtnggggcat	cctgggtttt	ggt	233

<210> 742

<211> 510

<212> DNA

<213> Mus musculus

<400> 742

agactgagag	ttcctccttc	tgagattcat	gataagcagg	ctncaagctc	cgncaactca	60
gttctctaca	caactcccct	tcaccaaaaa	acagcccagc	aggcagcgcc	tggcagcacc	120
atgctttata	acgtcagcaa	aggtgtgggc	tattcagata	cagccctgca	ggggcaggac	180
ggggacaggg	aaggaatgtg	ggtaggagct	gggggagccc	tagcccccaa	tacctcctcc	240
ctatttcccc	ctgagcctcc	aggggcctcg	agcaacatca	ttcctgtcta	ctgtgctctc	300
ctagctacag	tgatccttgg	tctgctggcc	tatgtggcct	tcaaatgctg	gcgctcacat	360
aagcaaaggc	aacaagttgg	ctaaagctcg	gactgtaaag	ctagggggacc	ctgacaggga	420
cccaaaaagng	gnggggaacn	gnaacgtntt	cggggactct	cctcctaata	tgganccctg	480
tnttcccagc	cagggaccac	acccggacct				510

<210> 743

<211> 131

<212> DNA

<213> Mus musculus

<400> 743

tgatgcgatt	gactaaacct	actttgttca	ccaatattcc	tgtaaccgtg	agatnccagg	60
acttggaagg	tgggcccctt	tctcannaac	ntctannttt	nnnttttttn	nttatattcc	120
cccccttact	t					131

<210> 744

<211> 103

<212> DNA

<213> Mus musculus

<400> 744

agatgaagga	tgaaaaagaa	aagngctcca	tccacacgtg	ctgtcctcag	gcctagccac	60
ctncttctac	aagcatcatg	cagattgctc	tctgtgggca	tcg		103

<210> 745

<211> 117

<212> DNA

<213> Mus musculus

<400> 745  
aggctcttcc caaactccac tgcaccctac ctgctgntcc aaactggaag ctgnttatgn 60  
ctttactcan gtgganttaa ggggaatgct ttactatgnc atgctgactg tccaaca 117

<210> 746  
<211> 138  
<212> DNA  
<213> Mus musculus

<400> 746  
gaacatgccg ccccactgaa gacctcatca gtgtggcatc tatgaggcgt gctttttttt 60  
cctggcgcac tgacttgcca gctgtccaga gcctgngctg cctgcagcac ctgtgggtccc 120  
tacagaaagg gagccacc 138

<210> 747  
<211> 414  
<212> DNA  
<213> Mus musculus

<400> 747  
actgagtcct gtcttctgaa cgtcgttctn aaagattngg aacacctctg tctgccagca 60  
nagttgtgcc tgagggcagg gctgcagggg accttctgag acagaagatg ccactgaaga 120  
agccggaccc tcagagcagc aagagtgagc atgttgatcg gacgttttca gatggtcttg 180  
aaagcagggtg ccncnttgan gacaccnct gtcctggnga gcttgantca agngacatan 240  
agcatgatgt aaataaaaata aatgtataga tggattgtnt gtctgttnaa acaaattacn 300  
tgttcctgtn ggtgatgcta ataccaatca naaagaagca atctcagccg tggaaggagc 360  
gagcctgcag tcaccttcca ggatttgctg atgaacaacc ctgagacaaa tcct 414

<210> 748  
<211> 255  
<212> DNA  
<213> Mus musculus

<400> 748  
catgcacatt tgctaccang agaaccacta catgcactca cgnccttgn cctatcacag 60  
gntnggncct acacggagtc cctggataac tttctangaa ttncacact tctgnaaaag 120  
cancttcccc cacatctcnn tctcttgccc taaaacttaa caangtttct cctaaacact 180  
tcttgagct tgcangacan aaaagggngt gtganaggna aagacctgtc ttgtgtggac 240  
ctaataccct gacct 255

<210> 749  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 749  
aactgagag ggagaagagg catcaggagn gacggagggc accagctcac cccacaccct 60  
ttttttgtca ttgttgcttn tttttctaataa aaaggtggaa aatagaaaaa a 111

<210> 750  
<211> 106  
<212> DNA  
<213> Mus musculus

<400> 750  
gagactgggt atctcatcat tcaagctgac cccaaactcg ctactatat atggagacca 60  
tgacctgatc ctccagcccc cagtcgccga gtgcggagat tacagg 106

<210> 751  
 <211> 172  
 <212> DNA  
 <213> Mus musculus

<400> 751  
 gactgggtcc cagagtagca agaagcatac tggatgatcat agtgaaagcc atgtattgaa 60  
 tccccggcca cttgtcgtaa gtgcttctgt ttctcccgag gaaagccagt aatgggtcatc 120  
 aagacccaga aagcagacct gggcccacaa ctcccagaga agaagaaaaa aa 172

<210> 752  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 752  
 ccattaactt tctattgnga aagctttgng gggaaaaaac attcgtttga ctnaatatna 60  
 gagctaaata aanccttgga tagcacaaac cagaaaaaaa aaa 103

<210> 753  
 <211> 143  
 <212> DNA  
 <213> Mus musculus

<400> 753  
 actgttttgg agttgncant accatgaaat gaccaccnng ancagnacca gcagtngant 60  
 nctggcagat ggagcctaaa agacgaggcc aangcatctc aaggaggtga acttgtacaa 120  
 aacgaangct ccaaaaaaaaa aaa 143

<210> 754  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 754  
 tactttcttgt ggaactctca ttaggtgang aacanactca tganagccgt ccgtcccttt 60  
 ccacgggaca gtaaccacgc tggcagcccc gcatgtcccc gaggcctcag aactgctctc 120  
 tgaaaataga catggtgtgg gggctcccca canaaaggaa tgctgtactg actggataga 180  
 aggagaataa aaatatactt gaaaaaaaaa aa 212

<210> 755  
 <211> 418  
 <212> DNA  
 <213> Mus musculus

<400> 755  
 cagaactgag acttgggtctt ttgagacctc gcatcgaaga tggctcaggc accaacagtt 60  
 atcngnactc aacctggatt cgttcgtgct ccccaaaatt ccaactggca gaccagcctg 120  
 tgtgattgct tcagtgactg cggagtctgc ctctgtggga ccttttgttt cacttgtctt 180  
 ggatgtcaag tggcagctga catgaatgag tgttgtctgt gtggaacaac ggtggccatg 240  
 aggactctct accgaacccg atacggcatt cctggatcta tttgtgatga ctacatggnc 300  
 acactcttct gtcctgtttg ctctgtgtgc caactcaaga gagacattaa caggaggaga 360  
 gccatgaacg ctttctaagg agctggatgg caagaactct ggctgaaaaa actcaact 418

<210> 756  
 <211> 218  
 <212> DNA  
 <213> Mus musculus

<400> 756  
ctgagaactc caagatggga ggcaagctga gcaagaagaa gaaggagagg agtactaacg 60  
tccattcctt gagccccctg tgctcgtcaaa ctgctccagt attagtgtgca ggcactgatg 120  
cttctgtgct gtttccattc tgtgatcatg tcttctccat gttgtacctc ttaagttttc 180  
catgatgtct caaagtaaaa gctttaagaa aagaaaaa 218

<210> 757  
<211> 106  
<212> DNA  
<213> Mus musculus

<400> 757  
gtttcgtatca ctagangnan aatgctgcc aagtccccag acgggatcaa gactccaatg 60  
acaaccataa gatcccctaa agctaaggca ctgcagaaaa aaaaaa 106

<210> 758  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 758  
gataggaccg aaaaggacca antngaggca tactgaatgc ttttctggag cggcngggat 60  
ccacnngcgg ctgatccccg cgaggcttgt gggatcccct cgctgag 107

<210> 759  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 759  
taccacgccc acgtgctgna acctgaggag ccacanangn gcacctttat actgnaccag 60  
agataataan ngcagggaag ggggggcccc tcccccttca cttcatagct a 111

<210> 760  
<211> 171  
<212> DNA  
<213> Mus musculus

<400> 760  
tgagcagaga cagcaagatg gctcatgctg gcanaggcac ctgcccccaa ctctgacacc 60  
tgaggtcatt ccacaggact cacagcgtga aggagagaga caactccagn aagctgtcct 120  
ctgacctaca gnacgtacac cttcctntca ataaacacat accccccccc c 171

<210> 761  
<211> 104  
<212> DNA  
<213> Mus musculus

<400> 761  
ctgatagctg gagcaananc atggcgagta tnggtgacag gacngganct cctatcanta 60  
aaaggctgna aatactggga tngggggacc caaccacgg atgg 104

<210> 762  
<211> 122  
<212> DNA  
<213> Mus musculus

<400> 762

accagtaggct	ctagtaggct	ttccaccaat	gggaggaggt	ngcttaccca	ccancaccaa	60
tcggtgggta	tncangaagc	tggagggtac	ccncaccta	ggatagtttt	tccaaccct	120
gg						122

<210> 763  
 <211> 224  
 <212> DNA  
 <213> Mus musculus

<400> 763						
catatatggc	ctgtttttatt	ttacccgtgt	acgnggacc	acaacctcac	aggcattgaa	60
gaccangtac	ttttngtnac	ccgccccggg	ccaacacctg	gatgccagct	tccgcnacca	120
aactgtcggg	ggaggnattt	taggaaccgg	ccgnattcnn	cccngngnac	naagnggnaa	180
nnncnaagn	cttttnnaacc	aaggnatttt	ggcccaaaaa	ctta		224

<210> 764  
 <211> 213  
 <212> DNA  
 <213> Mus musculus

<400> 764						
gcttctatga	ggatgaacat	ctagactgtg	ganggttgca	aaactnga	cttgnntctc	60
aatcncnatn	ttgcaacang	actgaaacat	gtgtgacttg	ttcacttggt	ggcanctgac	120
cagatacccc	caggnagcct	gctncctaca	attcccaatg	aatttacaac	ttntctaccc	180
catagacgtg	gggactgtga	tctcttgaac	ttt			213

<210> 765  
 <211> 230  
 <212> DNA  
 <213> Mus musculus

<400> 765						
tgagttcaat	tccccacnc	acatgagaaa	anagaacttn	tnccgctann	gctttgnnaa	60
aacctttact	ggctgcttgg	aaaatgaaga	tgcngactcc	anattggcga	tttatatatt	120
cttcatgcaa	gggcagcata	ctaaaagaga	gaaggagctg	cgctgaccag	tgactgaaag	180
ctgtaagcac	tggaacatat	ttgcagaaga	caggatttct	aaggtgagat		230

<210> 766  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 766						
ccatctctac	caaactgaac	ttgctgggtg	atctgagagg	tntctgagag	ngnatggagc	60
tgccgctgcc	tgctaacttg	tgaaatgaac	tgctgatttc	cagacaacac	agacagaagt	120
tcctccaaag	aacctttgta	aataggtcca	cttcccctgt	atcctttctt	ttatactacc	180
gctgggtggg	agtgggttac	aaggaagggt	aaagtgttta	anacccatca	ttaaaaata	239

<210> 767  
 <211> 361  
 <212> DNA  
 <213> Mus musculus

<400> 767						
aacactggaa	cagacctgaa	gctnaacgcg	atggcccaca	cttgncattc	tnntcagatg	60
tanttgggaa	accaaccagg	acntgagcct	tanangcaac	gtcnggntnc	acagcacctt	120
ctaatacagg	ctgagctaaa	gganaccttg	nttaacaaat	tggaacngata	gcccgaaggaa	180
ggcncgtatn	aagcgaacngc	angcgcctcg	tcggctcaca	aangcacaat	tgccccggaa	240

aggagganga	agaagatcct	cttgctgaag	aaaaaccgac	tagaagaaga	aaggttggtta	300
taaggaagan	aggcncaaga	ctccatgaaa	aaatgggtac	ctgagggaag	aaaaggcccc	360
c						361

<210> 768  
 <211> 209  
 <212> DNA  
 <213> Mus musculus

<400> 768						
tgaggtcctt	cttaggatct	ctgtggaaga	gtgaagctan	gccggatccc	tcctgtggac	60
ctgcccgcgg	ttganctggc	tgtccagagc	aaccattatt	gccatgccc	gaangattct	120
ggaagtcacc	ctgaccccga	gaagcagagg	gcccnacgca	aactntatgt	ggcctctgcc	180
atctgcctgg	tgttcatgat	tggcgaaat				209

<210> 769  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 769						
cttctgtggt	ctagcatnga	ngattggaat	ctatgcatac	gcannaatga	cttnttcttg	60
tcacacccac	agagcccga	ccgagaaagc	cgaaccgaaa	tcccncgagg	aacctcccgg	120
nggccnaaag	gagggggtgg	gggtggtngn	acctacaant	ttnnatgggtg	gacntacaga	180
attgactgtc	acattgtcct	ctgaccttca	ta			212

<210> 770  
 <211> 347  
 <212> DNA  
 <213> Mus musculus

<400> 770						
gagtggtgtg	cattttactg	agtctctcag	gagctggaac	ccagaaggca	gagattaana	60
actgtgccaa	gtggtgccct	atcaactcaa	aatgtgtcag	taacagaagc	tgtgtctgca	120
agcccggctt	cagctcggag	aaggaattga	tcactaacc	tgcagagagc	tgtgaagaca	180
tcaacgagtg	tttactacct	ggattttcct	gtggagactt	tgccatgtgt	aagaactcag	240
aggggagtta	tacctgcgtc	tgtaacctgg	gatataagct	cctttctggt	gcagaatctt	300
ttgttaacga	gagtgagaat	acatgtcaag	gtaagagccc	ccccctg		347

<210> 771  
 <211> 438  
 <212> DNA  
 <213> Mus musculus

<400> 771						
gagaccaagc	ccaaatcaaa	gggaaaatcc	accctggaga	aattttttgtg	aatctgctca	60
agccctgagg	ggaagaacag	aaaggaaaga	gaaaaagggc	ttacaacct	agccttgatc	120
ccagaacaaa	ggccagccgg	catcctttca	ggcctgcacc	tggccaggca	gcggagcacc	180
ggggtctctt	ccccagactt	ctgcctttca	tcaccatcat	ctgatcagcg	tgtcagcctg	240
cccacctgtc	cagagcctgt	gcacaccacc	tttctgcctg	actgaagggtg	acttggccca	300
ggtcctgtga	actgactaat	actgctataa	agcatgcatt	gctcttggtt	acctttaaaa	360
gaactctagg	tgggtctacag	tgaatatcaag	tgaggaacaa	aaggcaggcc	cgggaaagca	420
atcaagggtgg	tcgtccct					438

<210> 772  
 <211> 108  
 <212> DNA  
 <213> Mus musculus

<400> 772  
gactgagctg tttagtga aaataagtgg tgcennaggn acnaagcttg ntnaaagaat 60  
ttntgnacan gggaaagaat aaaatgaatg aactctgaaa aaaaaaaa 108

<210> 773  
<211> 320  
<212> DNA  
<213> Mus musculus

<400> 773  
aaacaatgaa tagctctttt ntgaaggccc gaggacaaca ggatgttctt tcctcacctt 60  
tggaacgggt gccccagca tcccggncgg gnaaggctnc acttggnact cctaaaaccn 120  
cngtcctnga agactttcct nancaatgac gatnaaaagg agcggatgca anngganacn 180  
gctccanggc tcttttgacc tgnagtctna tgtacagatt cgattcatnn tggcctcccc 240  
taacaggaat nttgatgctt caactaccat atctaactgt taaaaacnca ccagtattac 300  
aggaacatta ctctacctgt 320

<210> 774  
<211> 397  
<212> DNA  
<213> Mus musculus

<400> 774  
taaccctgag aacatgcnn c actgnaacct tactatgcct gccgganaac taccaggatg 60  
acgcactntn tctatcatgg gtctctcttg gctcccagct ttcttacatt gctcgnggat 120  
gganantggg aagantgggg gctacnncnn ggntnnnnng gannangncc caaacaatgt 180  
gncncatgga cntattacct cactggcgng tgaaagcgtt cccaccgnac gcctgtggcc 240  
tggttcataa gctgngtgga ncaggcctct cgganccatg antatagaac ttgcaatgcc 300  
aaagacgtcg tctctctgcg tgccngggaa anaantcncn gggcccgcgc ctgcatcctg 360  
ttatttcnaa ctagccatcc aaacttttta acattca 397

<210> 775  
<211> 311  
<212> DNA  
<213> Mus musculus

<400> 775  
acgtgggtccc cagcgcgcca ggcccggggc cangtcccaa ntggcgaggc cagtgcggct 60  
ggcaccgacg tcgatcaang tgaccnacgt gtgggtccgag cgccagntca gagcaggatg 120  
nanncagctc ttgggggtcc tgggcantga tcnacgagct gntgcctctt nccgccggat 180  
gactnacctt tgccagntn ctatnnagnc tgctttgntn agntccatga ctcangactc 240  
anangtngtg gcacagnatn tganaaacac tgagctnggn gacanagctt tgatagtgga 300  
agaacaccta t 311

<210> 776  
<211> 295  
<212> DNA  
<213> Mus musculus

<400> 776  
tttggggggg gatacgacag gggcccangc ctgcgcctcc accgacaagg gcccgaacat 60  
cancgccntg ncctgnacca tcctcacggn catgggncgn catnggagca ngagccanna 120  
gacgaagttt nntgnntngc aacatctcac aggagataac agactctggg gccncccagg 180  
ctngcnatgg gggangcttg cctancgctg acccaaacc tagacnnagt cctgaccatt 240  
ngccccatac anatgcaaaa agggacacnc acaaatcngg ccatggagga ctcaa 295

<210> 777  
<211> 259



<212> DNA

<213> Mus musculus

<400> 777

ttaacaggct	tcgaacctgg	aaaggaaagc	ccgtctgaga	gaggaggcat	gcttttngng	60
nngccaaaa	ctncactttn	aaagatattn	tggngngaac	ccaggaanta	aaaggcntgc	120
nnactaatga	aacctggctt	ttacaaaagg	gatacaaate	tggaggacnt	cacttttggc	180
cagaacattg	tatttttggc	cacaagaatg	gtattccact	ttcccctatt	aaattgcntg	240
gtaggaaggg	gaacccaaa					259

<210> 778

<211> 385

<212> DNA

<213> Mus musculus

<400> 778

aagaactgag	gtgggggtntt	tcatttggct	ccccgtcggg	gaatcnaacc	ccggtctccc	60
gcgtgacang	cggngatact	cncncntnta	ccaattatng	nncacaccng	tggcgcggtg	120
ganttnacgt	tnaacatcag	ccgttacagg	canengcnac	tgatggaaac	cagccatcgc	180
catctgctgc	acgcggaaga	aggcacatgg	ctgaatatat	actgttattt	tgatggaaaa	240
atatactctg	tgtctgacaa	gaanctnatn	acntttttgt	ggnatnccag	nnggtntntg	300
aagtaggcca	tnctcattac	cggctcaatg	atctgacttc	nagactattg	ggcatattgg	360
gagctancnt	taaccttcct	tcgaa				385

<210> 779

<211> 466

<212> DNA

<213> Mus musculus

<400> 779

cttctgagac	ccggatgccg	gnngggcgct	gtgtttttccg	aactgcggct	ggactgcctg	60
ggactctgac	acctacggct	ctcggctttc	ctggggacct	cttctctgag	gcgtgccgag	120
acatggaggg	cgcanaacctg	gcagagaagc	tcctgtccac	ctggctgacg	ctggtgggag	180
gcctcatcct	tttaccctcg	gccttcggat	tatccctggg	tatctcggag	atctacatga	240
agatcctggg	gaaaaccttg	gagngggcca	cattacgaat	tcagaaagga	gccctcaagg	300
agtcacctct	taaaaactca	gcttctgnng	gtattatcca	aagaagatga	agncacccat	360
gggagaaagg	gctctctggg	ccttcgagga	aggggacttc	cgagctctct	gatgtggttc	420
tattttctcc	aaanaagggg	ggtggaancc	atttggaggg	agggat		466

<210> 780

<211> 452

<212> DNA

<213> Mus musculus

<400> 780

tgttgggacc	attaaggcaa	cgctattgtc	ctgatctctg	aattgggcct	ctccccccaa	60
gaaagaaaag	aaggtcaaaa	gcggggccacc	gggacgcacc	gctcaagaaa	aantcancgc	120
cgggatgtcc	tgaacctcaa	agaataacctg	aataccgccc	aantttcttg	gcttcccccg	180
tgtaactgc	cttaanaaat	ggtgcaattc	ctattttggc	ccccctcccc	actngaataa	240
aattacttcc	accttttttg	ctttgttatt	tggccccatc	ccctcccccg	cttgaataaa	300
gttatctgtt	acttccctgt	tttcccttgn	tgccaattcc	tactggcccc	atccttcctg	360
ctgaaaaagg	cacttcccct	tttgcttggg	tgtttttaaa	accttggggc	ctgggcttaa	420
ttacattttg	gggggtcttg	aatacaaact	tc			452

<210> 781

<211> 280

<212> DNA

<213> Mus musculus

<400> 781  
accgccttct gggactcctc caggatgctg tgnnctccgc tctttcntct ctncctgngga 60  
aatggaatgg gggaacccca aactggctat gagatgattc agaaaggagg gatttccttc 120  
agggttgcca cacagcaatt ctgggacaac cggtgaccta gaattcttag gaaaagttgg 180  
ggaagccaga cttttgacca agactctcca caccatccct attgcaccct aacaggcctt 240  
gagtaataac acccatacat tcaaatgtca aaaaaaaaaa 280

<210> 782  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 782  
actgaggtgg gtttgggctg aggtagaacn ngggcggagt ggggntgatn nttagnccggg 60  
gaacngtcat angtcctnac aggaagcntg gctgggttcca aaataaaaaa a 111

<210> 783  
<211> 408  
<212> DNA  
<213> Mus musculus

<400> 783  
tggactctcg gaaaggaaag gcnacgangc atggnttgga accatancac gtactgccat 60  
cgnntgctgn ttanatnttg nttgacaaca agaggagact gtggacgtaa cgttntccac 120  
tttgggcnan agagncnttc acctttggaa ggcgcctttg cactggnttt naagantatt 180  
cantaccgag gagangctgt cnccaccagg anaggnancc cnttgctcat ngnggtacna 240  
ancaantacg gttctctccn cagngcatat ccccgcttta tatccgacat gcaatntngc 300  
naatggnaan aatatctgca agactaggat gaagagactg gacagcttcn cctgcctgca 360  
cctgtgggagc aaaaaanctg gggaattctt ttttgttttg agcaaggg 408

<210> 784  
<211> 252  
<212> DNA  
<213> Mus musculus

<400> 784  
cataagtac taagattggc tgacgctgga ggatgtgtgg gtcgtacacc tgggattaac 60  
ttttattaga ggggtggaaa acgtgagttg cgggtgtgggt gtggccgatt agaagaccac 120  
gctggggaga tgctgcccac ctaccatcct gtgtatcctg aggaccaaac tcgggcttgg 180  
tggtaaaagc ttttatccac caaatcctcc ctcgtggact tcgagattgc ctaattaggt 240  
ctgcacctcc cg 252

<210> 785  
<211> 151  
<212> DNA  
<213> Mus musculus

<400> 785  
gctgacaaga cacacacata caaacaggct tccgagaccc tcccagggtca aacttgntgg 60  
aaaccctccc tgctcaaatt atgcctctta ggatanaggt ncccagcatt ttgttttggg 120  
tagtagaaaa tacaagtaaa atgtggccag a 151

<210> 786  
<211> 179  
<212> DNA  
<213> Mus musculus

<400> 786

tcgcagactg	agacaaggtc	tagantgagg	gagatggctc	tgtgggttaaa	aatgccgact	60
gctcttcna	aagancnnag	tgcaaattccg	canacnaaag	gcatccggag	acccatactg	120
ggcgnattct	ggtgagtgtg	gctgtgtttg	ttagtgccct	ggaaggggta	aaaaaaaaa	179

<210> 787  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 787						
ctgagctttc	ggtcagagaa	gaaacgcctc	aggaagcccc	agcngtggct	nctggaanat	60
acatangaa	tatggatcag	ganatttgct	cctaagaaaa	aac		103

<210> 788  
 <211> 425  
 <212> DNA  
 <213> Mus musculus

<400> 788						
tacttcgtgt	ggaactntca	naggtcggac	aggatgaann	tnnttatgct	nntactgann	60
gtgttactan	gacgattang	gccnnntac	cggntnatch	ccacagggtca	cccaaaagg	120
agaaaangat	actcangaga	tccagccagc	ggcccacggt	catcaacaga	aggaanaggc	180
cacccatgca	gcaccatcac	cgtctggacc	tggccctgta	ngctgaaaca	atgtngccgc	240
tgctcctctg	tgggacncgg	tgctactgtc	tnanccggca	ccttctggag	atcanctggg	300
gccaccctgg	ttcacttctg	annntgnctt	ccccccggga	tcttggttaag	gttcctgact	360
ggntttccac	aggcctgctt	tccgtctntg	ggcacctaca	ggacttntta	cccaccctta	420
aagtt						425

<210> 789  
 <211> 123  
 <212> DNA  
 <213> Mus musculus

<400> 789						
aatcttcgac	tgccacagag	cgngagcacc	ggcatgaatg	gtcatatgtc	taaccgctcc	60
agtgggtatg	gagtctaccc	ttcncaactg	aatgggttcg	atcttcacca	ccctattccc	120
aga						123

<210> 790  
 <211> 300  
 <212> DNA  
 <213> Mus musculus

<400> 790						
tgcatatcc	cactattgan	tcggagccac	ctgcngatnt	ngaagggaag	aacgngcntc	60
tacttgctca	caacctgnct	gacnacctan	tagcctatca	ctgggttcngn	ggnaaacggc	120
cgatagacaa	cgatctaatt	ataatgtatg	aactaaaatc	tcaagaaaca	aaacaaggaa	180
cactatatag	cgggagagag	acactgtnc	ctaattgatc	cttgatgtta	cagaatgtca	240
ccttgaagca	atctggaatc	tacagcctaa	atatccattc	tgcagatgac	caataaaaaa	300

<210> 791  
 <211> 386  
 <212> DNA  
 <213> Mus musculus

<400> 791						
tgagcctagc	acagcgcccg	ggtcagggat	gagtgggtga	aggacttgga	ctcagaagca	60
aggtataggc	aaccagttct	gactttggaa	cctcagctga	gagtgaagca	gaggatgtga	120

atctttcatg	agcagaatgg	tcacaggaag	aggaaaggag	ttgcttaccg	tgtggaagta	180
aaccagacag	agcagaggac	cacagtgtgc	ggcttcccag	cctgggtgtg	cctgatgctg	240
tgcactgcaa	gattcatgtg	gcaaattatt	aggaaaagca	agtgagtatg	gctttaattt	300
ttgtactttt	acccatgggg	acattttttg	tgtttttaaat	gtaagcattg	cacagaataa	360
aggtggtata	catgcaaaaa	aaaaaa				386

<210> 792  
 <211> 563  
 <212> DNA  
 <213> Mus musculus

<400> 792						
ctgagtgtgt	gtgggctgag	ctcgagncct	cacagcagca	ggaanagccc	ggcaatggga	60
caggatagga	ggcaagcatc	accatcaaaa	gctcctggcg	ccctgtgcct	gtgttggaag	120
aaaagagggg	gtcagagaag	aggagatgct	catttccgct	acccaggctc	cagcttgctt	180
aatcccactc	ccttgtcttc	cgctgcttct	tcaatttctc	ctgttgacct	ttgtgctcan	240
taaacgaaat	cttccatctc	cggcngcaaa	tcagttccac	gagtctgcag	gctttctgag	300
aagaggcaac	agtgtaaaca	tgacatcttg	ggaagggtta	gnaatccggt	acatttctgt	360
tgactggctc	tctgacccca	gctgtgacat	catcattagg	cccatattta	gctccgcaga	420
gaaacaaacc	tctgtacgct	tcacgaagaa	aacagaaggc	agcagacgcg	atctctttta	480
aatactgncc	attcaccttt	acagtttaga	ataagtacta	gaataaaaaat	aatagtattg	540
cagccagtgc	cagaaaaaaa	aaa				563

<210> 793  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 793						
ctgagaaagg	cgttactaaa	gatggctggg	actgcatttc	ttgtcctagt	ggcttaactg	60
ctgaggggaa	gtgccactgt	cccactggcc	atatattagg	nnagaataat	atttataaaa	120
taatggtgat	gaaaaaaa					138

<210> 794  
 <211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 794						
cactgagggc	tcaaggaacc	tggnggaaga	ggaagcagaa	agaatgtgag	aggcanaggg	60
gatggaggac	taatcaacan	ggncaagtcn	canggacaaa	gtatanacac	atgaataaaa	120
gacggaaatt	ccttttttgc	tcagtacttg	ctgtccagaa	ttcgaatttt	atatatccat	180
catgtcaaag	gtgcttctct	aanataatcc	ttgagtccaa	aagggtttact	tgtcccaaatt	240
gtggctcttc	tggtgacact	ggaagtacca	attacanata	caaactgtcc	ttgaaagtgg	300
cagaatccan	caaactatct	ttcattactg	tatttggggag	ctgcttacat	acattttttg	360
gacttacggc	cactgggttta	cacaggtacc	ttgaagattc	tattaaaaac	ctaaaaaccc	420
ctggccgggg	gg					432

<210> 795  
 <211> 457  
 <212> DNA  
 <213> Mus musculus

<400> 795						
ggagatgctg	gccaggggtg	cttnatgact	gtgaccctga	gcctntgtca	ccacagcggn	60
ggcggagggt	agcgancnnn	tggggaagag	cctcctcaag	ttctgctctg	gagatctggg	120
gcctgagagt	atcctgcctg	acacgcagnt	nctggacccc	atgcttgctg	aggcgcccac	180
cacacccctg	gcacaagccc	cangcaaggg	catggatgat	cgggtgtttt	acatctatac	240

ttctgggacc	accgggcttc	ctaaggctgc	cattgtggna	gcacagcagg	tactaccaca	300
ttgntgcctt	tggccaccat	tcctacagna	tgcgtgccgc	cgatgtgctc	tataactgcc	360
tgccactcta	ccactctnna	nggaaacatc	ntnggtnggg	ggcaagnngc	cctntncggg	420
taacggngtt	tntgccc aaa	naagttctcc	gccaccc			457

<210> 796  
 <211> 210  
 <212> DNA  
 <213> Mus musculus

<400> 796						
gctgccaccc	cgatactgtg	aatgccacca	aaaactgact	acatctggat	cgcctctgac	60
ctgggcagga	ttaataggag	tgccgtggct	gggatgttgg	aggtagccag	agaaagcagg	120
tgagcacagc	acgggggctc	agggaccgat	tccacaagct	cctaagctta	agnaacnttc	180
tgaaanconaa	aatccgggga	attttaaaat				210

<210> 797  
 <211> 408  
 <212> DNA  
 <213> Mus musculus

<400> 797						
gactgaggac	tgactaacag	gcaaagaagt	gactcttcca	gaggcttccg	gtcgtctggg	60
tgactgctg	acacagctgt	caccgttgca	gatgccatct	gccctcctcc	catctccgtt	120
gtcactcagc	cccttccttt	gtctggaccc	cgacttgccc	ttttgcctcc	tcaaacagcc	180
ggactcagct	ctaccgcctc	actctcaaac	ctgcagtcag	gggtcctgac	tcagccacag	240
tctccccaag	tgctccgggc	ctgtttacct	cattgtcaga	gactcgtggc	cctgagtttc	300
ccagcttttg	cttctcaggc	ctgttgga aa	ctctgaaact	ccttgcatct	ttaaccctt	360
acaaccattc	tataatctac	acataacat	atatagagaa	atttactg		408

<210> 798  
 <211> 350  
 <212> DNA  
 <213> Mus musculus

<400> 798						
aagaaacctg	gagaagaaca	agaagaatga	tttcttctct	ggtaa atgct	ccccanggtc	60
tgtaaacatt	caaggatgtg	gcagtggact	tctcacagga	ggaatgggaa	tgtcttgact	120
gtgctcagag	ggcattgtac	atggatgtta	tgntggagaa	ttacaacaat	ctattttttg	180
tggaaaatca	ttacatatgt	cataaatatg	agaacttctt	ggatcaagac	acacagcata	240
ttgtccatga	ggatataaat	atcaaactga	agtcttataa	atgtcatgaa	cttgccaaaa	300
tcatatntga	atccagtcaa	agtacacctt	ataaaactaa	cctcagggat		350

<210> 799  
 <211> 434  
 <212> DNA  
 <213> Mus musculus

<400> 799						
ctgggtaagt	gtggctcagt	ggctgaagaa	ggcactggat	ggagaggtaa	gcaagagtgg	60
agcggggaac	aggagcccc	cacagatcca	tccggtttct	accactcccc	aatgccagcc	120
attgtcctgc	agatcctggc	tgaaaacatt	caagtgacca	acctgattag	tgactcattg	180
catcggcggg	cgcataacat	ggcagtgtca	gagctgggcg	cattcttgag	aaggtttgcc	240
nanentgnng	ncccatnctc	tatntacnat	cttgngnnaa	aacngccgan	gggcttntta	300
tntancnnnn	ctgggtgcntg	ncttnaanca	ccaatcaagg	ntganatctt	cggnctcggn	360
cctgctgccg	gacgggggaa	cttccggggg	ncntaactcc	nagggggaagc	tgcccttgga	420
ccaacctcaa	aaag					434

<210> 800  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 800  
 accagcctca ttaattncan caacatcata attcatgcta tantncntgg nencagnagt 60  
 ttnaaagagc anactttcca caggagctgc ttcacttagn tctacagcca gcccatgtgg 120  
 acttgatctc tgaact 136

<210> 801  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 801  
 tgccattttg attttanggg canagganga gggggaatct cagttgggtga nttaaaagca 60  
 ctgaggctta aaactgcttg gaatccttca ttgaaaaca gtggccttnt agcttnttca 120  
 agtccacttt ttgtgcct 138

<210> 802  
 <211> 293  
 <212> DNA  
 <213> Mus musculus

<400> 802  
 aagagaaccc actaaataat tggctgacaa caaggggaac agcttggaga agaccagcta 60  
 agtctggggt cctcagagat ggctgggaac ttggatgtag gaagtgtttt ctccacgggc 120  
 agatcatgga ccactttcca cacgtggatg attttntcaa gcaggacgag acagacatca 180  
 agaactaggg acagaccctt gcccacaaca agacgttgaa aagtcagaaa tcctatgaca 240  
 tgccatctct gctttggtac ccagaagaga gcttgagcct cttcaaaggc ttt 293

<210> 803  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 803  
 ttcatgcttg gcatggngat gctgggctac cccaactttt nggcccccta tggcagangc 60  
 taccncngat ttgtctncta acttatngnt accaatttcc aagctttcc 109

<210> 804  
 <211> 455  
 <212> DNA  
 <213> Mus musculus

<400> 804  
 cacactctcc cttcaagaag gattgccttt gctcagagac accanacttc tncnacctgc 60  
 gcancgtgat ctgcgcanc tgnncnctg cgacccaaga gtgcaggnc ggncttangg 120  
 ngaggnaatc gcggncgnng natgnetgct tctnatgccc acngagggaag agnccatctg 180  
 nncnantt gcnccatac acacactgaa agacgtgaga ncctggcccc gccnnggtcg 240  
 natattggacc acaaccttgn ncaaaaccgg ttnangnnnt nctnaagtct ggcaaccttg 300  
 ggggccaaac ctgaggagct gangaccgg gaactcangg tcgtcngccg ttgggatgtg 360  
 aaagggttac tcaccatcct tgctgtggt gtagatgtcc atggcctcct gcaaattcac 420  
 tagggcaatc ttctcaatga ccttgacagt cctgg 455

<210> 805  
 <211> 109

<212> DNA  
<213> Mus musculus

<400> 805  
ctccggacct gactgagaca tgcagcttcc ctgtgcatca ctangccacc aggatatcca 60  
cctgtcacct cacttggata aatgtttctg ttttggagca aaaaaaaaaa 109

<210> 806  
<211> 225  
<212> DNA  
<213> Mus musculus

<400> 806  
aagtttccac tgatggtnga tgncttcttt cttcaaactct ctgaccttcc cngtgcccac 60  
ctcacanact gaacacatgc cctgcnntgg ncatgaatta annaatgngg ganatgcttg 120  
caccttgctc tgnctgggat acaatcctgt ntagtgccca tttttatgtn ntcctcatna 180  
natanaagga tgccanagag ttttaancatt ttacccaact tttct 225

<210> 807  
<211> 229  
<212> DNA  
<213> Mus musculus

<400> 807  
gagaacagtt aagacagnnn agaaaattct tacagaacaa caagaacaca tgtcangaag 60  
aggacaaaga gcgtatgagc aagagaaaga aaaaggagtc nnctcttctc tgactacctt 120  
aaaaganatt gntcggntaa ncggancagt tgtccaaaaa gctgctcctn cagatngcca 180  
aactcaacag cacttgactg gaccccgnaa ccttgcgagg cttcatctc 229

<210> 808  
<211> 395  
<212> DNA  
<213> Mus musculus

<400> 808  
ggttgctcga agaaagcact ggaaagacaa tacgttctact cctttttttaa acgagcacga 60  
ttttcaggaa gctgctgctc caccacagcc tctctctgaa cagtcctcag cagacaacca 120  
caagaggatg gggagagtgt ctaacttctc cgtaggaac actcaagaag gaaataaatt 180  
caagaggaaa gactattctt cccagatagc agaaggagaa caagattcaa atttaagaga 240  
gagaagaatg aaccgtgtca aagaatgatg caaataccaa ttctgccttc tgggactctc 300  
ttcatttgga tgatgcaacg aaggaaagtt cacacagaag ggagagcgcc tccgcgtgga 360  
ataagaagaa attgncggnc ggccccaaag tccca 395

<210> 809  
<211> 148  
<212> DNA  
<213> Mus musculus

<400> 809  
gagatttcag attttgcagc ctaaggaaca ttttccaggg gagactgcca gtgcagccac 60  
cttggcaacc aagatcctga tccagagcca catagccaca gactggagta ctggtgggcc 120  
acagtcctca aataccttct caaggcag 148

<210> 810  
<211> 405  
<212> DNA  
<213> Mus musculus



<400> 810  
acctgccatg ggcccgtcca ggccttccct tggcgtcctg ttcctctcgg ggacactggg 60  
tctcaccact tccccagcca gaggacggct ccgctgttac acctgcagct ttgccaagcc 120  
ctgcgaccct gttcccaggg agtgtcnaga ggacgagggt tgtgggtgtca gtgttggcac 180  
ctcagagcaa aaggaggagg aagtcattga gcggaaaggc tgcctcccca gagcccagtg 240  
ccctctgctg ggccatgcga cctactggtc acggctcctac tctctccggc accagtgtctg 300  
tgagcaggac ctatgcaatg ctgccgctca cagccacccc ccaaccttcc cctcatgact 360  
cttgctaccc cttgcaagcc atgatcggct gggggaagga catga 405

<210> 811  
<211> 424  
<212> DNA  
<213> Mus musculus

<400> 811  
tgattctccc cttggcaaac tgcagccagc cagcctcctg ggtcgagagc caagccaaaa 60  
gatgtctgag agaagaaacc tggggnccctg caaaggtaag tgggncccag cccactctca 120  
atccccctct ctctgtgnga ttgctattcc aactggagt cacctgctct gtgcttctga 180  
ggaacctcac ctctggcaca tcaatggana ttgtccttcc ctttttatnt atatnnattt 240  
attnttttatt ttttgccacc ctcactggcc actaanagat agccctagct cctcctctcc 300  
tgccctggttt tgacaggact cactccattg agnccttgct tcgtctcttt ggcagccctt 360  
cctncttccc ccccccttta tatcctntta nttttttgac ccnccctttg ttttaaaacc 420  
ccgt 424

<210> 812  
<211> 296  
<212> DNA  
<213> Mus musculus

<400> 812  
gaggcgttgc tgctggagca ggttaataat tctatcacca ccctacagag gaacctggag 60  
aagcaagatc gtcaacggtg actaccaccc ttggaaagca tttggaaaag taaagttggt 120  
agtgaggcta ggttgtgatg tttttcctac tggctctaag gttaaaaaaa tattagggaa 180  
caatatgaag ttcagaaagc cacactctta ttagttaagc aagggacctt ttatggtcag 240  
ggaacaagaa cagtggcagc actggctgac cgtgagatgc caggacttgg aagggtg 296

<210> 813  
<211> 187  
<212> DNA  
<213> Mus musculus

<400> 813  
agccagatga aggacctgta ttcctaggna tttgggagac tgatgnacna ggatcanggg 60  
actccaagaa ttccagatca gnctggacaa cntgagatgc caggacttgg aagggtgaaag 120  
tataggaact tctcgacctg caggcatgca agcttcgact tcgtgagatg ccaggacttg 180  
gaagggtg 187

<210> 814  
<211> 200  
<212> DNA  
<213> Mus musculus

<400> 814  
gactgagtct ggctcttttc tagtatgttc aggtgggttc ttggaaagaa tccagcatga 60  
atattattna aactgggaga ttcctgacca gaacattgat atagaagcac tgcaggtcgc 120  
atttgatca ctgtatcgag atgaccgtnt taataaagcc cagcangggc cgtgagatgc 180  
caggacttgg aagggtgtgct 200

<210> 815  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 815  
 agaagatgtg aaagaaaaag accgngctaa agaaatggca cgccagttcc acagttgttg 60  
 aagatatcac aaaggacgag caggaggaaa caccggaaaa aaaaaaa 107

<210> 816  
 <211> 172  
 <212> DNA  
 <213> Mus musculus

<400> 816  
 acactgggggt tcccagactg ccctttgaga ataaaaatggg aggccacaac caaagtcttt 60  
 tggataaagc accacaatgg acaataactgt tttgaggtgc tcctgtccag cctctattta 120  
 tctacttctc tactctctct gcctctacta aaagtgaaga agaagaaaaa aa 172

<210> 817  
 <211> 485  
 <212> DNA  
 <213> Mus musculus

<400> 817  
 gactgagggga tggaaccagg ccctccaact tctgtgaggg ctagccctgt gtcaggctac 60  
 aggagtttga gatthttcagc ccctgaatgt atgtggcaag gccattagac tcactttcgc 120  
 cagctcngga ccatggatat gaggctgcag gagtttgaga ttttcanccc ctgaatgtat 180  
 gtggcaagac cattanactc gctttcgcca gtgaacagtg ggcggagcga tgtctgtcac 240  
 tggcaagnng aaacattcaa ctgctgcccgc aggtctctcc tgttctcttc ttctttgttg 300  
 gcgcacnaa gtcacacaca gaggctggcc tgcattctgtc angttgcang agngaccggc 360  
 atggcctgaa ccgcccctgct agcctgtaac acatgtacaa gactcgggta ccgnggggaa 420  
 acgtgtgctt ancatgggaa agggcccang gttaanctta agccccnaat taaccaaacc 480  
 caaag 485

<210> 818  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 818  
 ctgagtgaaca tcaagaaagc acggactact tctcaaactc gggttcgagaa acaaacccta 60  
 cactggtctt ttactcatta aagggttttt atagagttaa aaaaaaaaaa 109

<210> 819  
 <211> 169  
 <212> DNA  
 <213> Mus musculus

<400> 819  
 gactgagatt cccccaccat tnanaacctg gaggcactgg gccacaaaag ccttgctggn 60  
 aaggctccgtc ttcatctatt atncanacaa agtggcnaat nggagntgct tttaaanagc 120  
 taggnacatg tttagtcaaa tacatcccta aaaaatgggt gaagaaaaa 169

<210> 820  
 <211> 139  
 <212> DNA  
 <213> Mus musculus

<400> 820  
aagtgtctctg cgctctgcta ttaaccccat gaaaagagtt ctttccagat aagcggatac 60  
ttgcggctgc gtggagtgga tcccagnccc agtttgctac cagcaatccc aaccaagac 120  
acaggttctt ggtaaaaa 139

<210> 821  
<211> 178  
<212> DNA  
<213> Mus musculus

<400> 821  
taagtactct gcagtgggac agatgccgtg gaaggctggt ggcgctgcct tctggatgac 60  
actggcactt tatagttttc tacggaaaga ttagtcgcaa acaaggcttg tagaagtcac 120  
tttgttgttg tttttttaac ttttaattac ttaaataaaa cccattgttt tcatagta 178

<210> 822  
<211> 315  
<212> DNA  
<213> Mus musculus

<400> 822  
tgactacact acattcancc catntagcaa gcttgtccag atngaatatg cttnggctgc 60  
agnanctgga ngngcncctt cagngggant ngatntntga acctnggtaa caaccttgca 120  
catattggaa ggagagaatc acttcttgca agttaacctc ggctgactat ggtgggcat 180  
accagtagga tctgctgaag aatcgagcag aggcaggaga agcccaagta caggtaatcc 240  
tctggctcca catctgtccc taaacacaca catatatgca ataaataaat aaatgcaatt 300  
ttaaaatgaa aaaaa 315

<210> 823  
<211> 142  
<212> DNA  
<213> Mus musculus

<400> 823  
gtaccttgct gaactcttaa atggttctaa gagttcacac gaggagtctg gatttaaaga 60  
aacacgatga acagttttat tgtaagtcc cgcgaaactt ttgaatctga gcttccattt 120  
actgttttgt atatatgcag gg 142

<210> 824  
<211> 440  
<212> DNA  
<213> Mus musculus

<400> 824  
agactgagaa catcggatca gaagttgaga cttccctatt gagaagcagc ggaaggaact 60  
tcagctgctc atcggggagc tgaaagaccg cgataaggag ctcaatgaca tggctgcagt 120  
gcatcagagg cagcttctct cctgggaaga ggaccggcag aaagtgctna ccctggagga 180  
gccctncagc aagctcgaag gtgagctgca taaaaggact gacataatca agtcactgat 240  
gaagaaggtc aagaccctgg agtccaatca agcagagtgc cagacagctc ttcagaagac 300  
gcagcagcag ctccaggaga tggctcanaa ggccacacac ttcacccttc ttttggaana 360  
acnttgaggt tggctttcat ttctgatgga ctttattagt ctgaatgctg ggcttccaat 420  
gtcaccatta aaagcagagg 440

<210> 825  
<211> 247  
<212> DNA  
<213> Mus musculus

<400> 825  
tcagactggg tctgcagctg cccagaggaa gttcgctcac tcgctcagag acttcaagtt 60  
cgagtttata ggcgatgctg agactgacga tgaacgggtgc atagatgcct ctttacggga 120  
atatttctaac tttctgaaga atctggaaga acagagagaa atcatggcat taagtgtgac 180  
tgaaaccctg attaaaccct tggagaaatt cagaaaagag cagcttggag ctgtaaagga 240  
aaaaaaa 247

<210> 826  
<211> 312  
<212> DNA  
<213> Mus musculus

<400> 826  
ccgagttacc cgtgccacct gctnccaccc actgacngag ctgcgtntct caggggacct 60  
ggcagccgcc tggatggcac agttgtggct gctttccacc catccttcgg agtggatttc 120  
cccaactctc agttcagcaa ggaccgtctg ttctttgtca gagcgagacc agaaacaaac 180  
gcggaacctgc nggatgccac actgggcctt ncgggggact gagggtnгаа ggacgagggc 240  
aatttacacc tgcgaagttt tgccacnttt cncaacgggt ncccggcaag ggggggtgac 300  
cttggcttta ga 312

<210> 827  
<211> 348  
<212> DNA  
<213> Mus musculus

<400> 827  
actgactgag aaatcttcaa gcaagctcta tgtgggngaa ccggannnng nnnangtga 60  
aagctanagg ttatnanant tacaanaaaa ggaatgccca gcaggagcta cagataatat 120  
ccctgagaga tgacatcaag agccttcagg accttattga ttctctaata aagatgaaga 180  
ttttgaaaaa cacaaatttt naaantttng aanaaccac tgggatctna ctgagaagag 240  
tctaaatcta aaagaacccg ttaagggaac atctggtggg gaagaaanga gattaangcg 300  
gagcttctgg gagaaaaagg cggncctggc ccaacaactt tttggcct 348

<210> 828  
<211> 179  
<212> DNA  
<213> Mus musculus

<400> 828  
agactgggtg gctgaagccg tactatttta tagcagtcac ggagatcaag tgacgatgtt 60  
acaaacccag aacaactttg gaaaatgaag ccaaaggga acctggaaga tgacagttac 120  
tcggtaaaaa atgactata atagccaata attaaaatgt atacatacta aaaaaaaaa 179

<210> 829  
<211> 218  
<212> DNA  
<213> Mus musculus

<400> 829  
catgccaaact ccagcagcan aaagaanttg acagggggcca ggaggccac ttgtgccaag 60  
ggtttggcac cttggagggt gtagtggagc gtgcagttcc caagctggct gcgtgtggag 120  
tggctcgcag catctggacg ggcttacagt agtgtggaaa tctgcatcgg tgcacgtaaa 180  
acaaaaacca aaccaaacia aaggagagaaa aaaacaaa 218

<210> 830  
<211> 165  
<212> DNA  
<213> Mus musculus

<400> 830  
 tgtgcctctg tctcagctga tattactctg ccaatcanc tgagtccttg gangtggcaa 60  
 gaaactgcag tacaccacca gaagattttt ttttactgng attctctcta tggagncctg 120  
 acaaatgcag ctcaactatg cantgtaaga tggaccaata catgc 165

<210> 831  
 <211> 462  
 <212> DNA  
 <213> Mus musculus

<400> 831  
 gactgagccc cagaactcca gntgaagctc cagtcggctg ggcacnatgg tgcacatcta 60  
 caatcttatt acatgggatg ttgaggcagg aggatgccga gttcagtgtg ngcgtgcatg 120  
 tgtgtgtgta tatttatata tgaattacta tataatctca gaccatgtct caacaacacc 180  
 tacaaaaata aagangctct agtcagcata atcagtgttt gcagccttga cccaaaacaa 240  
 aaaggngnnn ggctcagcnc catgagaaca ctttnggggg agacagaggg atttatattg 300  
 gcagcatcgc ctgnggnttc acttganttt tgaattaaag acngcgaaaa aagcntaatg 360  
 gccnccaaag gggacctggc taccttanta anggtgnagg gtaantgatt naatcgaanc 420  
 ccttcctttt ntttttaaa gggggatttg ggatcatatt tt 462

<210> 832  
 <211> 206  
 <212> DNA  
 <213> Mus musculus

<400> 832  
 gaactgagtc gtgcctttcc ttctgggatt gtaagtgaac cccgtgatca agtgttcacc 60  
 ggttcacctg tttacactgt gaagtgggta tcttacggag aacacaccag ccttggtttt 120  
 ctcacgcccc gtgaatgaat gtgtacgcca cagttttacc tgctgatact gtaaggctctg 180  
 aaaataaagt gaatgttttc cctcca 206

<210> 833  
 <211> 226  
 <212> DNA  
 <213> Mus musculus

<400> 833  
 ctgaggtata attgtgcaat cagcagctct gatgaccgca gtctcttttcg acgactgaaa 60  
 ctgaattatg caatttttga tgaaggccat atgctgaaga atatgggctc tatccgctat 120  
 caacatctaa tgacaattaa tgtaagagtg tgctttgtaa ataattgtga taaaatttat 180  
 ctttcctaatt ttaatacata cacacatgat tttaaataca aaaaaa 226

<210> 834  
 <211> 146  
 <212> DNA  
 <213> Mus musculus

<400> 834  
 cctagatcct cagagcttga atatatnagc aagacagaaa caatgcttat atnaatggag 60  
 gagannaaac nnaggntnnn ngcgaccanc agctcaaggg cagtctggat tacaaaaaga 120  
 gaccctgtct cggaatataga aaaaaa 146

<210> 835  
 <211> 383  
 <212> DNA  
 <213> Mus musculus

<400> 835

aacgtctgtg	agcagtgaan	actttcatat	gaatgactcc	gcatggatgt	cagctcacc	60
ccgagtntct	tacatngcag	atccctgcag	gctatcaaga	gaagnggtgg	atgatcatct	120
gttanaccag	ggatagttaa	caggacccat	ntgaaancat	ttttttttcc	tntcaccact	180
naacaaatgg	acagttttatt	cccaaggacg	gttttgngga	naggcangct	gggcnagnag	240
ggnccttggn	gactttganc	aggtggaacc	catcttgtnc	ctccctnatt	ttctaaagg	300
cccacaaant	gacntccaca	ggngnntttt	agggnattaa	ctaccaggtn	atttcttaca	360
aaaatgcttg	ctttgaaact	caa				383

<210> 836

<211> 181

<212> DNA

<213> Mus musculus

<400> 836

ctgagtaa	atcggtactt	tcagaatata	ggaatgagag	gcaaggaaga	aaggacattc	60
atcatacgaa	gatttgaatc	actttgaaac	tgtaaaggga	tgtagcactt	gctgccaaac	120
taccttgctc	accagaatga	aggaagtgc	tcagcattaa	atggtaacca	taatcctcct	180
a						181

<210> 837

<211> 168

<212> DNA

<213> Mus musculus

<400> 837

ctgtggagaa	gatggaatga	cagntactat	gctcanattc	gcaattacga	anggtctgct	60
cgaaaatgga	agatgtagac	ccnagtcctt	ncncccagat	ggacagagac	aggatncatc	120
tcacatgaac	ctntacagag	atggaatgcg	gagagcactc	tggcatcc		168

<210> 838

<211> 382

<212> DNA

<213> Mus musculus

<400> 838

ctaataggga	tgccaaagga	aaaatatgat	cctccagatc	ctcgcagaat	ttacaccatc	60
atgtccgcag	aggaggtagc	caatgggaaa	aaatctcact	gggcagagtt	agagatctcg	120
ggtagagtgc	ggagcttaag	tacatcactc	tgggtcattaa	cacacttgac	agcactgcac	180
ctaaatgaca	ataaccttgc	tcgcattcca	cctgatattg	ccaagcttca	taatctgggt	240
tacctggatc	tgtcatccaa	taaactcaga	agtttaccag	cagaactagg	aaacatgggtg	300
tctctcaggt	gaggaaacat	ttcattatat	acaattacaa	atttatcaaa	taaaaaactt	360
atgggatgct	taaaaaaaaa	aa				382

<210> 839

<211> 231

<212> DNA

<213> Mus musculus

<400> 839

aagaggtgca	tccatgccaa	gcacggtgct	acatgcatgc	ccatcccagc	actgagagct	60
ggagcaagaa	catggcgagt	ttgaggacag	cctggacctn	ctatcccaga	aaggctggaa	120
atagtgggat	agggggaccc	aaaccacgga	tgggtctgaaa	aacaagatgg	aagcagattg	180
cctcccttta	aatgggtcgc	tatgggaacc	ccaaaaataa	aattaaaaaa	a	231

<210> 840

<211> 336

<212> DNA

<213> Mus musculus

<400> 840  
gacctgacca tgcagaggat gatgctcgtg acggttaacg cctcgaatca gcnacggctt 60  
gccgttcagc agcagcagac catttttcaat ccgcacctcg cggaaaccga catcgcaggc 120  
ttctgcttca atcagcgtgc cgtcggcggg gtgcagttca accaccgcac gatagagatt 180  
cgggatttcg gcgctccaca gtttcggggt ttcgacgttc anacgtagtg tgacgcgatc 240  
ggcataacca ccaccgctca tcgataattt caccgccgaa aggcgcgggtg ccgctggcga 300  
ccttgcgttt taccctgnca taaaagaaac ctggtc 336

<210> 841  
<211> 261  
<212> DNA  
<213> Mus musculus

<400> 841  
caatcacccg ttgaggcttt atgctccagn gatnaccctg caaagcaaga gaagatgaat 60  
caccacnccg gaatnggttc aacagtctac aacaanagtc caagataacc ctcacctcnc 120  
ntgactagtg tgcaggcctg accaagcgag gnacagctga aagtttgagc ccatgtttca 180  
ttggaaaata anctgcctgc atctcnctgn gnatcaagcg cctgcccttc gtcntgcatg 240  
ncgttttgtt ttgcaaagcc c 261

<210> 842  
<211> 168  
<212> DNA  
<213> Mus musculus

<400> 842  
ctgctgcctt ttctgctcct gaagccatgc tcctgacagc agcggcctgt ggtgacagta 60  
gtgagacctg cttatcaggg tgtactaccg ttttgtcatt caaactnaat tacnccaatt 120  
cagttgtnta ataactcaga aggcatancc atatttttga gtattgtg 168

<210> 843  
<211> 147  
<212> DNA  
<213> Mus musculus

<400> 843  
atgcaagtac ctgctcactc cgcccttctn tcttacncac ccaggccccc caaccctaag 60  
ccaacttgag tccccactct gtcaccttga ttccaatgaa gatgggtgtg atttctnata 120  
ctanaaataa tagcgctctt tgttttg 147

<210> 844  
<211> 102  
<212> DNA  
<213> Mus musculus

<400> 844  
ctactgcaga cccggccccc caagcncnct gactgaaaag cngggcatcc gngtntctga 60  
gtntcttanc aataaagnga aatgcaatct taaaaaaaaa aa 102

<210> 845  
<211> 172  
<212> DNA  
<213> Mus musculus

<400> 845  
agactgagaa atgactgcac gactgagcaa cctcngaggc agngtcatca atgangtagt 60  
cctgagtttg cttaagatac atgtggccct acctcatcct ggaggctggg ggtgcccttc 120  
agcactccac actccgtttc aataaagaat aactaaatcc caaaaaaaaa aa 172



<210> 846  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 846  
 gactgaggat cttacttgcc ttggctagcc tggaactcac agagatctgc ctgcctcctg 60  
 ccttcccagt tgctagtatt aaaggtgtgc accactaaaa aaaaaa 106

<210> 847  
 <211> 160  
 <212> DNA  
 <213> Mus musculus

<400> 847  
 ggcgctccacc atgaccanca gangctgatt tttgccggct tgccgctaga aaatggctcn 60  
 cactctctct gattactaca tccatnaacg agttaacacc tgcacctgnc ctacnctna 120  
 ggggtgnnta ttaatnattc aggagctgca ttactactgg 160

<210> 848  
 <211> 140  
 <212> DNA  
 <213> Mus musculus

<400> 848  
 ggatccatgc ttgggtctgg ctttgnaata aanatcaatg ctncggacgc actggnatgc 60  
 ntgaacatct atcagggcnt gctcaaagta tcttgtgctg angagtggcn ggaangtatc 120  
 gacggagggc gaacactcca 140

<210> 849  
 <211> 330  
 <212> DNA  
 <213> Mus musculus

<400> 849  
 gagactgagg tcccagtact ganntgataa cntagtctta caacccaacn agaatacnaa 60  
 cagttntnaa aaanccttgn cnttgngan ctctaanant ttgatccagc anccaggcag 120  
 gatacacttg ttggcccaag gtcccnaact tatacagang aggactgcct ggnetggact 180  
 catggangna cgacactcct aatccttgag agacttgaag tcccagggat tggggagggc 240  
 ctggcaggat gttgttgaat ggttgtgggt gtnaaggccc cccttattga aaatgtacca 300  
 aagggtcggg atatgggatg aaaaactgtt 330

<210> 850  
 <211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 850  
 tagaaaagcc ttggctgttt gccacgngcc tctggaccac tacgactttn tggatcaaatt 60  
 ctcaaggagc tnganggang atgancgttn cnagaanant cnnntccact gttttgcaag 120  
 aagttacaag ggaggacctt a 141

<210> 851  
 <211> 122  
 <212> DNA  
 <213> Mus musculus

<400> 851

ctgggacctt	gaattttaant	tctccctatg	antanntgga	tgctganncc	gtgaaaagag	60
ctaaaatgaa	ccagacctct	gcgtgtgact	attaaaaacc	ctgaaaagtc	caaaaaaaaa	120
aa						122

<210> 852  
 <211> 343  
 <212> DNA  
 <213> Mus musculus

<400> 852						
gctgggaaca	ggggaagaca	ctctncctac	cganggctna	ttntggttggc	tgngaagaag	60
agnggggaatg	ataccttggg	nagaaagaan	cttgaagctn	ctggccagag	gacacttgcc	120
tttgaggagc	ttcgnaggca	gctaganaan	ctgctgaatg	acggnggcag	caatnaaccg	180
tgtgttcgac	tgganggaen	ncccaacctt	aaatgagcca	gcaggattag	ccagtccant	240
taccatntag	tttnggagcc	ccttcatgga	caaaccntgt	cctgtttant	ttntgcaa	300
tatcttttga	agactccctc	ttccgaaggt	ggggattggt	ccc		343

<210> 853  
 <211> 336  
 <212> DNA  
 <213> Mus musculus

<400> 853						
gccgagaggc	tgggctgagc	tggagggaat	ttctagcana	nggccacaga	ngttgngcat	60
ttgntggctg	nnnanaaggt	gngaataattc	cttnggagaa	naatcctgaa	gctnctggcc	120
agangacact	ttgcctttga	gggancttnc	gtangcaanc	ttnanaancc	tgctnaaatg	180
naccgcgggn	atgtaatcaa	cccgggtgtc	ttcgacttgg	gatangaccg	cccnaccct	240
ataattgaag	ccagccanga	ttagccattc	caaattanca	ttttattntc	ngaagcccc	300
tttatttgac	naacctggnc	ctggtttatt	ttcttg			336

<210> 854  
 <211> 167  
 <212> DNA  
 <213> Mus musculus

<400> 854						
aaggtgggac	aggagnatc	actctgncaa	tnaanctgan	nntgcggaaa	ggaanagaag	60
ccacaccaca	ccaccagagg	gtttttttga	tgcatttctc	tctatggagc	tcaactatat	120
aacgtaaggc	agcccaatac	atgtgtgtca	ttagtgaaaa	aaaaaaa		167

<210> 855  
 <211> 348  
 <212> DNA  
 <213> Mus musculus

<400> 855						
atctcatgga	gaaaagctgt	cgaaactgan	ganaacanaa	gtncngatgg	ggctctngcg	60
gntntgaaag	cttgnnangt	gtcnacagag	tcntcatnga	ntctgcctan	ncanaggga	120
tnnatccngn	ctnttttttt	gccagattt	tgattggtct	tatttgcttg	aagagaaagc	180
tgttccggat	cangcttcaa	ggagcacttc	agaaacatct	ggtaatatg	tcagaccagg	240
ngaaccccca	acanaanatg	tgtcanactt	ggtntataac	anaatganct	ggnagcaaga	300
tttanaatgn	gcaaccacca	ggcttttcaga	aactagacca	atggaggc		348

<210> 856  
 <211> 238  
 <212> DNA  
 <213> Mus musculus

<400> 856  
 agcaggtgct gtcacctggg cacctcacac attgaccaga gtatcacgct gaaaagtgat 60  
 ctcatctctt catggatgcc ancatgaaga aatcatggga ttttggtttt tttaaacaaa 120  
 ancattgnat attanntttg cttttcttct tcaagtctca acacataatc ctggctgacc 180  
 taaaagctca ctggnggaac ccagggggac ctttacnttg ggggactgga gggggcct 238

<210> 857  
 <211> 269  
 <212> DNA  
 <213> Mus musculus

<400> 857  
 caccttcccc cagccactgg ntgaaatcct cagtgggttat tcatgaacac gcacccacca 60  
 tgttttatgg gactcagtn gacatgtctc ctcccaccaa gaataagctg aagcgacaga 120  
 gccagctcct atccacaatg ctgtcccggg cactgagcta caaagtattg agacctggat 180  
 tccaccttct gcagcctang tgccagtgc gacccctcag agctcttcac gcanctcttn 240  
 ggcccccggn gtcctcaagg tcgtttgga 269

<210> 858  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 858  
 gggcttacct cagcatgtat gtctgtctca ctgacatcac tctgccaatc aagaccttgg 60  
 aagcagccaa aaactgcagc ataccaccag aagatttttt ggtgcatttc tctatataga 120  
 atcctgacaa atgcagctca actacacaat gtaagggtgga ccaatataac cgtattgtta 180  
 gcaaaaaaaaa aa 192

<210> 859  
 <211> 208  
 <212> DNA  
 <213> Mus musculus

<400> 859  
 tgactgtgtt ggggcatgga gtaccatacc gtcttgggaat gccttgccca ggggaagaca 60  
 gtgagtgttc taagtgtctt gcacacttat tactcacagn ggaaaactaa gaactttttg 120  
 ttttggttta ttttttgaga caaggtttct ggctgtcttg gaactctctt tctaagacca 180  
 ggctggcctc cacctctcaa attggctg 208

<210> 860  
 <211> 427  
 <212> DNA  
 <213> Mus musculus

<400> 860  
 agactgagaa cctgctcaag ccgctgccat ggatcccagg ccactacctt ctttcaagca 60  
 anaanaagtt ntacgaatgt gggcttnttg acaccggaaa caaagtgggt ggcagtgggtg 120  
 ggcccggcgc gtggactgtc tgaagctatg gctcatgttg aaggcacagg gtgggcaggg 180  
 gttggagcgg cgcctcgacc aggcctttgc tctcaccagg tggncctgt gctcnaggan 240  
 cncatggatga agaattnggac catgacnann nggtaccaan cncatgggac ccggccnanc 300  
 tttttnccaa tggngngngn caaccccata ctggccnagg cccanataaa tntccttctg 360  
 ggcaaaactga aactcctggg ccaggacctg tgaactgctt ttgntttttt ggcccaccca 420  
 aactttg 427

<210> 861  
 <211> 306  
 <212> DNA

<213> Mus musculus

<400> 861

cactgaggat	gacacacgag	ttgtgagagt	gaagggtata	agctggcata	ggcctggcca	60
agaaagacat	cttgggagcc	aggtttcctt	gggaactgcc	tgtgaccaac	tccaggggat	120
ntggcgccct	ctcctggnet	ccacaggcac	tgcncacatg	nncacacaac	ttaaattctt	180
ttaaagaaga	aatgttaaag	cagggttaaag	ctcctgggtga	agagaaagga	aaagaccatc	240
nnaagtgata	aatacctgga	atctacagat	gctttttttt	ttaattaatt	aaaagtttta	300
tttttg						306

<210> 862

<211> 101

<212> DNA

<213> Mus musculus

<400> 862

actgaggttc	ccagagtcta	ccttgtgaaa	tgttttaggc	taaagaagag	tccagcaaca	60
gctaactgag	agacctgaat	aaaagggtaa	attaaaaaaaa	a		101

<210> 863

<211> 133

<212> DNA

<213> Mus musculus

<400> 863

cattgtcaaa	attctagaag	acattgaang	gcatgaaaga	aggcntattg	gaganaaacc	60
ctatgnaccg	tnatcaatgt	ggnanagcct	ttgcatgtta	caatcatctc	caaatacata	120
agagaacaca	tac					133

<210> 864

<211> 196

<212> DNA

<213> Mus musculus

<400> 864

cttgccctgc	tcaagtcctt	acggaacaag	cgaggcccac	gtgctgctga	aggatcggtt	60
gctcctcttc	ctggaagnen	gntttctcct	agcactctnc	anatgaanac	gtanaacnnt	120
canctctgnc	tacatcatgc	ctgcctggat	gctgncatgc	ttccaccttg	atgatggact	180
gaacctctga	acctgt					196

<210> 865

<211> 633

<212> DNA

<213> Mus musculus

<400> 865

ttagactccg	ttagtgccct	gctaagngaa	gatgnattaa	actcgcaggt	gnacaaccaa	60
cgagtcaagc	atntctgcta	ctaccacggc	atgaagccct	atctatgcta	ccagctggag	120
cagttnaatg	gccaagcgcc	actcaaaggc	tgcttgctaa	gcgagaaagg	caaacagcat	180
gcagaaatcc	tcttccttga	taagattcgg	tccatggagc	tgagccaagt	gataatcacc	240
tgctacctca	cctggagccc	ctgcccacac	tgtgcctggc	aactggccgg	cattcaaaag	300
ggatcgtcca	gatctaatac	tgcataatca	cacctcccgc	ctgtattttc	actggaagan	360
gcccttccag	aaggggctgn	gttctctgtg	gcaatcangg	atcctgggtg	gacgtcatgg	420
acctcccaca	gtttactgac	tgctggacaa	actttgtgaa	cccgaagagg	cccgttttgg	480
ccatggaaag	gattggagat	aattagcang	cgcccacaaa	ggcggcttca	caagatnaaa	540
gagntctngg	gtcttgcaaa	tttggtgaat	gacttttgaa	acctncagct	ttggaccccc	600
ntgtcttnag	aaggcaagaa	aataatttaa	gaa			633

<210> 866  
 <211> 303  
 <212> DNA  
 <213> Mus musculus

<400> 866  
 gactgagaag aaaagggggt caaaagcggg ccaccgacgc nccacnccga gaacaaccac 60  
 atgattgntn caanccctaa gccncgctg natgtcctgn cctnaagang anccctgata 120  
 ctgctaaatn cctgctttac tgtgnnnnng ccaaaagaaa aanttccact gcccctatccc 180  
 tactgctgag gtgcatttcc nctaccccat tcctcctgct gagaagaact tcccntttng 240  
 cttgggcatt naaacnttgg gcctggntaa tacantgggg ccttgatgct agtaaaaaaa 300  
 aaa 303

<210> 867  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 867  
 caaaaagata tcttcntagg gatngaccaa gtaatactgg agagaaaccc tttgaatggn 60  
 ttcaatatga nggagccttt gcnagaaacc atcatcatca gtt 103

<210> 868  
 <211> 375  
 <212> DNA  
 <213> Mus musculus

<400> 868  
 tgggttccagg attcggctca naatgacgtc angagaaggc anngcngggt tttcntnttn 60  
 aggccatgtn ttcctacacc gctcgcaggc aggaatgttc tcacatggga cctttctnca 120  
 gancagatca ngacgaggac agaggagctc atagcacaga ccaagcagggt gtatgatncc 180  
 gtgggggacaa tcancctgga ggatgtatct tacganaact gtntgcagggt gctggctgac 240  
 atacaagtga agnacataac tggaaaggac catgctggac ttcctcaac acgtgtcgtc 300  
 tgacngagaa gtgcgggctn nnagcncaaa agcggacaaa aggctttctn gntttgatat 360  
 tgagatgagc ctgaa 375

<210> 869  
 <211> 359  
 <212> DNA  
 <213> Mus musculus

<400> 869  
 ctgaggagaa gatggagggg ctgaaagaca agaccctgca ggagctggag gaaatgcaga 60  
 atgacccaga agccattgcc cggctagcct tggagtctcc tgaggttcag gacctgcagt 120  
 tagaacgaga gatggcactg gccacgaacc ggagcctggc agagcaaaac ctggagttcc 180  
 aaggtcccct ggaaatcagc ccgctctaac ctctcagaca aataccagga gctgcggaag 240  
 cttgtggagc ggtgccagga gcagaaagcc aagctggaga aattttcctc ggcaactgcag 300  
 cctgggacct tgttgacac tctgcagatc gaaggcatga agatcgagga ggagtctga 359

<210> 870  
 <211> 426  
 <212> DNA  
 <213> Mus musculus

<400> 870  
 actgagtggc cagaaccccg ttcccagtga gaagcttcca gtgcctgaca gtgtgctaag 60  
 tatgttcccc agcacagagg aagggcctga ggacgacagt gcaaagcatg gcggtcgaat 120  
 ccgaaccttt ccccatgagc ggggcaactg ggccaccac atctacatac cgtgtgagtc 180

actgactaaa	gtgcctctag	ctctggctag	gaggaagaca	ccagggctgc	tgtgtgctgg	240
actcanctcc	caccgcanac	ctgaggagac	aatggaccgc	ctaactgctg	aagtagacct	300
tcctgcactg	ggtgttntgt	cagctactgg	gtgnntcatt	tctgcacctc	taaagtgggg	360
gggatgctat	ctatctcttt	ggaaagatta	aatcagataa	tctatgccna	ttagcccaat	420
tcgcaa						426

<210> 871  
 <211> 616  
 <212> DNA  
 <213> Mus musculus

<400> 871						
actgagaagc	aagaagaaac	ctcaagaacc	tagctcagat	ctgcaagata	agaacgagga	60
gcaggagaag	tcctccagtt	gcacaggggt	attcaaagg	ggaccattct	ttttctgtct	120
gacctgtggc	aaatgtttca	aaaagaacac	cttcctcttt	aatcaccagt	ttcctgtgag	180
gtcccggagg	ctggcagtca	caaatccaca	aagccgcaaa	ggcaagggct	acaaggctca	240
gcatcgtgga	gagaggcctt	tcttttgtaa	tttctgtggc	aagacttacc	gtgatgcttc	300
tggactgagc	ccgtcccggg	cgtgctcatt	taagttatag	gccccgttca	tgccctgagt	360
gnggaaaggg	gttcccggga	tcaagctgag	ggcaacccgc	acctgaaagg	acaccaaaac	420
aaagccagca	gctacaacca	ggctggcaac	caggctacaa	ccagaggntt	gaagaagagg	480
ggtccacct	cacacctaaa	tccaagcgcc	cgcctcaaat	atttaaagt	atcccgggac	540
catggcccag	gctaagnacc	gaaaacggac	ctcanccttg	atgcagatca	cttntttcag	600
gggccttaaa	aaaaaa					616

<210> 872  
 <211> 331  
 <212> DNA  
 <213> Mus musculus

<400> 872						
tttgcaagga	tggaacctgn	ctgctgcaag	ctatgnactg	gagtgtgct	gcagccgctg	60
nctntgctgc	tactgcctct	tattgacgca	gatgaaatat	tgatgtgtg	gctgctggct	120
ggagcccagc	cagcccgggc	caggggtggg	gcagggaggg	cgggccaaag	agaaggcatg	180
cctcacgggg	ataccagcga	gcagggcccc	ggccccctact	ggctctattc	tgccctgctg	240
actcttggtg	gccccggggg	agggagaanc	gtgttgagg	ctggacatat	cctaactctat	300
cattgcacct	cattcatcct	tggaaaaaaa	a			331

<210> 873  
 <211> 115  
 <212> DNA  
 <213> Mus musculus

<400> 873						
tccagcttct	cctgcgccat	acctgcctgg	aagctccgag	gcttctgcct	tcataataat	60
ggacagaaaac	tctgaacgtg	taaaggagcc	cctattaaat	gttatccttt	ataaa	115

<210> 874  
 <211> 111  
 <212> DNA  
 <213> Mus musculus

<400> 874						
catcaaccag	acccggctcg	agttccactt	ctctggtaga	atggccagcg	gcatggaggt	60
ccggcagacc	cgcttcatgt	tcttcgtaca	gttccccac	aatgccaccc	a	111

<210> 875  
 <211> 189  
 <212> DNA

<213> Mus musculus

<400> 875

agactgagac	agggtctcat	gtcgtcctgc	tgagagccac	ttcatcatgt	anctgagggc	60
gaccttgacc	ttcctgctgc	cttccacgtg	ctgggaacaa	gtcttccatc	actcctggcc	120
tgaaacgttg	cctctgatcc	tagcaccatc	atagagtaat	gaaattcata	taaagtgaaa	180
aaccgacta						189

<210> 876

<211> 177

<212> DNA

<213> Mus musculus

<400> 876

tatatttcaa	aaataagcct	gaacacacca	cctggcacaa	nagtgaagct	ctctggcact	60
gtnggcntta	aanaacngat	tcctgctctt	aagtgaactc	taacaccaca	gntcttggtg	120
gtgaagnnga	acacctaatt	gacaagtggg	ctttacanag	aagcttatta	aagcata	177

<210> 877

<211> 121

<212> DNA

<213> Mus musculus

<400> 877

tccactacca	acattgctgg	acattttcaaa	tgatgaagtc	tcctntgggg	gctnngtcaa	60
aanccttttc	ccaantccnc	aaaaantccc	ttnaaaaatt	gnggaaccgg	aacccttgtc	120
c						121

<210> 878

<211> 106

<212> DNA

<213> Mus musculus

<400> 878

gactgaggat	gaaggcttct	ctgctctagg	ctttccctca	gaccctgaag	acatctgttn	60
ctcattttcc	atctgcccc	ataaagaagt	ttctatgtca	ggcaaa		106

<210> 879

<211> 434

<212> DNA

<213> Mus musculus

<400> 879

ctgagggaaa	gacacctgcc	taagatcaca	ggtcaaacca	ggcatgggtg	tttatgcctg	60
ttctccaaac	attaaggaag	tanacgcagg	aggatccgag	ttcgaaacca	gctctgaatg	120
nacagagaat	tcgaggccag	ctgggcctac	aggaccggtt	tctcaacaac	caaccaacca	180
tggaaccag	agaaactttg	atcctcagag	agatctanaa	gcctgctgaa	gcctgcaagc	240
aagcctacaa	cctccctcaa	gcttcctcgc	cctaaaccgg	anagtcaccc	cctgagcctc	300
cttcctgctg	gggaaccac	tccttggtca	gnagtctcca	aatgaagaaa	ccggaagagc	360
cagagccgac	tgangtgngt	ncatgaacat	gcgcaagcct	tcgngcgggt	ggnttaactt	420
ctggtttttc	ccaa					434

<210> 880

<211> 191

<212> DNA

<213> Mus musculus

<400> 880



tttgctactt	aaggtaccaa	gtacctggct	ccgtgcattt	cacaggcnca	gtgggcanag	60
ctgtaagcta	cattcaggct	tnccttggca	cttaaggant	ttccaattcc	ttgcctgcct	120
ttaactgggg	aaagctccan	caatctntgg	aaggttctct	gggcaaata	ctactgctgg	180
gaggcattca	a					191

<210> 881  
 <211> 314  
 <212> DNA  
 <213> Mus musculus

<400> 881						
ggcatgaaag	aactcntgct	ggnagaaaac	cctatganta	tgencatang	ggataaatcc	60
tncatatgtc	tccntcatct	tcaaaagctt	gatngaaacc	annctagaga	cagacactct	120
gaagtctttc	nccatagtna	agtgtctgcg	gtgtcgaagt	cctctccana	tnnataaagg	180
aacagacact	gcncataaac	cctacaaaat	nantagctgg	gaacgattgc	tttttttnnga	240
cccagacactc	tgatgtcttt	nnacatagna	aagtgtctgc	gtgtcaangc	ctcttgcaaa	300
taaataaagg	aacc					314

<210> 882  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 882						
gcaaaggggg	aggcgtgaat	tattcacccc	cttttttaaac	aagaggggtgc	tctgcagctt	60
cgcccactcc	agagccatct	ttgatcctaa	gttgccaaaa	tgactgaacc	atcacagaag	120
aacaactcca	ctcaacagga	gctcactaac	cacttggtttc	cagagaaaag	cantcagatt	180
ggacagaagc	aactgcaaca	gatngaacgg	cagntaaagt	gcttggcatt	tnaaaaccct	240
gggacctcag	gtgggnnnga	tttttaaccc	ncgaggacat	ggcaggtagn	aaaaaggaat	300
anncggcggn	atngttncaa	gcatngaattg	gagctacctt	ttttcctggt	gaaagt	356

<210> 883  
 <211> 404  
 <212> DNA  
 <213> Mus musculus

<400> 883						
ctctgggtgcc	tctgagcctc	gtgggacagt	ccagcaaac	cagcaggagg	ctggaccaaa	60
ctccagagca	ccagagagag	cagagcttga	gacagcagg	gcctccatct	tctctgctgc	120
ccacagggca	ccttgctgtc	cccacaaggc	cagtgggccc	atggagggat	tgtgcagagg	180
ctcacggggc	aggtcactgg	cagagtggag	tgtatgacct	gcggctgggc	cgctcgtgtg	240
tagccgtgtg	gtgtgaacag	cagcagggaag	gtggaggctg	gactgtcatc	caaaagacgg	300
caggacggct	ctgtcaactt	nttnaccaac	ttggcagcac	ttacaaaagg	gggcttttggg	360
cgtccagaan	gaaaataactg	gctgggcctg	gaacctgtgc	atca		404

<210> 884  
 <211> 217  
 <212> DNA  
 <213> Mus musculus

<400> 884						
agcgagccc	agtgcaggga	ggctgggcta	cacctaccaa	gagccagtct	gctactcagc	60
cagcttcccc	tgctaggagc	cgtctttccc	agaccgcggg	gccagcctgg	aggagcaagg	120
aacagcagca	atgtgaccga	caatttgtgt	tcaaagaacc	tcagctgggt	gtccgtgcag	180
ccccagaacc	cagagtgtgt	gacaaggagg	ggtgtgtg			217

<210> 885  
 <211> 376

<212> DNA  
<213> Mus musculus

<400> 885

ggcctcgaga	ctatcatgga	gggctccccg	ngcnaaggcc	tgtacttctt	tgngtncgna	60
agctgcagtg	catttgtggt	gactgggggc	ctgctgattc	tcttcagcct	caaccttcat	120
atgaggatcc	cccagatcaa	ctggaatcta	acagatttgg	tcaacactgg	actcagcact	180
ttctttttct	ttatcgctc	aatcgtgttg	gctgctctaa	accataaaac	cggagcggaa	240
attgctgccg	ggatatttgg	cttcttggca	acagcagcct	atgcagtgag	cacattcctg	300
gccatgcaga	aatggagagt	cagcngtccc	gccagcagag	cactaatgac	tacatccgaa	360
ctcgcaccga	agtcga					376

<210> 886  
<211> 171  
<212> DNA  
<213> Mus musculus

<400> 886

agactgaggg	ctgaactgaa	aaaggatcaa	aggcgtctaa	aacgtctttg	gagccccctc	60
tgaatacatc	tgatggtgta	tacgcagcta	acagacattg	ggcgcaacag	aactaatcga	120
ctgtgtgatc	ggttatgcca	ttaaattctt	tctagaagct	gaaaaaaaaa	c	171

<210> 887  
<211> 236  
<212> DNA  
<213> Mus musculus

<400> 887

cagttcctgc	agcagcttaa	catcttggat	tataagcatg	agactcaaca	tccagcttga	60
actctccatg	ctcactgacg	tgataactt	cttcaccgca	gcaaccttca	agaaggggtct	120
acagaaaatt	agcatttagt	taaatttcag	taatgactga	ttaactaaat	atatgtttac	180
cagaattatc	aaacttttna	aatnaanagt	cataccatca	aattgaaaaa	aaaaaa	236

<210> 888  
<211> 384  
<212> DNA  
<213> Mus musculus

<400> 888

gaggtggggg	ctttcaagaa	gcacaggatg	tcattcctgca	actgagaaaa	gaatgctact	60
accttacttg	tcagctgtat	gcattgaaag	agaagctaac	ttcccagacaa	agtgaagaaa	120
cgactcagng	ctgcaaangn	nattgnggaa	naaangtgaa	gatttgnggc	cananacatn	180
attgnntttg	ccgncgggtg	atacaatcct	gangagctga	gtncantcat	tgggactnnc	240
cgngctggaa	agagaactgn	nentctncnc	cccacnnaaa	gaagctgnnc	tctgatctct	300
atgcatgctt	cctcnggcct	ccccccaaat	aagtaaataa	tgtttttaaaa	atgtatagac	360
aaagaagaag	aagtttttaa	aagc				384

<210> 889  
<211> 380  
<212> DNA  
<213> Mus musculus

<400> 889

gagggcgtgt	gaaacgcgtg	gacagaccaa	tcccagacctg	aggagagctg	gttccttctt	60
ggggaaggcg	cagatttggg	atthttgaact	tctgacgctc	tcgccaggaa	aaggtgcgct	120
ctgtgtcagt	gtatccacca	tgctcgggctg	gcagtccaaa	gcagccaggc	ttcaaaagga	180
gcggaaagaa	aagctgtcgg	cagacaggga	gagaaaaacg	gccacatctc	tgtgcttaaa	240
acacagcgaa	gtacctgcat	ccatgatgaa	gcagtttaat	gcttttaatg	aatgcaaga	300

ggtgatgttt gcagagatga gagaaaccta taaaaacgat ataaaggaaa tgcttggttaa 360  
aacgaacagc accttggtg 380

<210> 890  
<211> 328  
<212> DNA  
<213> Mus musculus

<400> 890  
aactgagtgc gcaaagtgtc aaccacacccc tctcagcagg atccccgcgcc tcaagagcct 60  
taggtcccgc cccacactcc ctcaaaccct cagtgcagcg cttgttgtca ggcgcaatct 120  
cgcatgtatc cggngaggcn gctacgtnga gctccactng gncccaaaaag tacctgcaag 180  
cgctncacan ttgcgctcgg cnccttgct ttgttctnac tttccgagat atccactgca 240  
tcttgagtcc tgcattccact cccgggaggg ggctgcggca agctcngtna tggaaanaaa 300  
gagcgtgata agccagctag acaggtgg 328

<210> 891  
<211> 165  
<212> DNA  
<213> Mus musculus

<400> 891  
ctgaggaccg ctgggcagaa tgtcacgatg gatgaggggg gcctgcccct gctccccgac 60  
agncttgtct accanattct cctgagtttg ggccnnnnna atgngntggc tactgggctg 120  
ttataccatc aanggaagc tgagtcngga atgagttctt atggc 165

<210> 892  
<211> 383  
<212> DNA  
<213> Mus musculus

<400> 892  
gaaactgagc atctgcccac gaaaatgact ttccagccct taaatcatgg tttttcaaca 60  
tcagcaaagt gcttaacgcc tctctcttca aaagataatg ctctgtcggt gaacattgag 120  
gacctcatag agaaactgca ggctggagtg atggtaaagg atcagattag tgatataaga 180  
atatctgaca tcatggatgt ttatgagatg aaactttcca cattagcctc taaagagagc 240  
aggttacaag atctcctgga agcaaaaagcc ctggctcttg cacaggctga cagactgatc 300  
gctcagtatc gctgtcagag aacgcaagca gagacagagg cacgaacact tgcgggtatg 360  
ttacgagaaa gttgaaaaaa aaa 383

<210> 893  
<211> 122  
<212> DNA  
<213> Mus musculus

<400> 893  
ctgggcagac ggccataatn gcttactngt gnaactctna tgcggnacgg ccaaggcaga 60  
acagactnta nnaaagaanc ngngataatt caggccaaga ngagaaaaac agcacaggat 120  
gt 122

<210> 894  
<211> 147  
<212> DNA  
<213> Mus musculus

<400> 894  
acagactgag atggacagtc tgaggctgag agagggctag tgattttctcg gacacttggg 60  
cagtagnacc nataccancc ngtactnnng gatncgangg cnntggagag ggngctgcaa 120

cagcccccttg agacgaatac cactctg

147

<210> 895  
<211> 455  
<212> DNA  
<213> Mus musculus

<400> 895  
atccgaaagt ggacccccnn ttagcgcgcg ctnacacctac aagatgaact cntaggcgaa 60  
gaaacnctgt ggtactgccc actcnccccc cncctcccac ggatggagca anattctgga 120  
ggacgtgcna ggggcacccc ctcaagatcc tgttttcaact gccctggccc cggaagancc 180  
cccagaccca tncccaangg ctgaggactc tgagatccat gncntgagcn gatcttccat 240  
caganccggg cctaccgtgg ctatanaatg agaggctngn ggttcncggg ggaagctntg 300  
agacagaagt acgantggcc tttngcanaa cttggatata cggctngaata naagataatc 360  
antcccnct tgnacattct gccanccncc ctanatgcct taaggtttac anccgtagat 420  
tggtntcttt ggtacncaag agcccttggg catcc 455

<210> 896  
<211> 270  
<212> DNA  
<213> Mus musculus

<400> 896  
ctgagattac caaagagttg tcagctgttt ccaaggctgc cgtgggaggg ggaggatgga 60  
gagatggagg aaatccctgc tgctgtcgca actggggcgaa cccacaggcc ttggcagctg 120  
ggggctgcag ctggtgacct tggccacagg cactgactgc tccctgtccc ctcaggacct 180  
accccatccc cagccacacc actaccgtga ttcctccaaa gatccaaaac tttaattaaa 240  
aaaaagtctt ntaaaaccga aaaaaaaaaa 270

<210> 897  
<211> 308  
<212> DNA  
<213> Mus musculus

<400> 897  
gactggatga ttgtggtctc ctggacggac tgccgagcca ctgaattaca cccatcttct 60  
ggccacacta cagaagttgt ctatggagtt gaaatgttta ttgcagtaac ctctgacctt 120  
atgtgattta aggaacngnn ntcctgagat nagaactgnt nngccnngaa gancaangag 180  
aaaacacggn agccgctgtt gancggttca catttgangt caantccacn cctaccaaaa 240  
gcacgttngn tgtgcacaga nagantttcg gggggtgnatt tgntggangt gttcagtggtg 300  
tgctaagc 308

<210> 898  
<211> 171  
<212> DNA  
<213> Mus musculus

<400> 898  
ctgggtatct agccagcttc caggaccagg tgattggaaa cctcagtgat ttgaactaag 60  
agccaacaaa gccttgggtt tgtggcacac tcttcacatt ctttgcacag ctctttttgc 120  
tgttaaaatc tgcactggat ttttaaaaat gaagcaattg aaaaaaaaaa a 171

<210> 899  
<211> 270  
<212> DNA  
<213> Mus musculus

<400> 899

ttagggacat	cacataagga	cctncancct	cagtctngga	ctgtacgtct	nctaattgtga	60
ggaagaatat	tctctgctgg	cttntatcct	actgacactg	ggggttganc	tgcctttgnc	120
tgaccattct	tttattnngct	ttatgttnnn	tntaaaacaa	acttttatnt	gnntctggan	180
antataaaat	aacaggccnn	ggaggncnag	cangccnttg	aatggacatg	tgaattattg	240
tcttgcatga	atgctctacg	gccaccactt				270

<210> 900  
 <211> 339  
 <212> DNA  
 <213> Mus musculus

<400> 900						
caccaccccc	cagtgcccg	tccacgccct	tgccctggacc	accaggctcc	ccgcgctcct	60
ccggcggaac	ccccttgac	tcacctctgc	acacgcctcg	agccagccct	acggggaccc	120
caggaacgac	gccacctccc	agcccaggcg	gtggcgctcg	gggagccgcc	tggagaagtc	180
ggctcaactc	catccgcaac	agcttcctgg	gctccccctg	cttcaccggc	gcaagatgca	240
aggtcctaac	cggcngagga	natgtccagt	ttgacaccag	aatcttntcc	ttgagctggc	300
aaaacgctcc	tgggttcggg	aatttcactt	tcttaagaa			339

<210> 901  
 <211> 387  
 <212> DNA  
 <213> Mus musculus

<400> 901						
gactgagctg	tacggttctg	tgaccggngc	catctaata	agccagaccg	ctgccatcac	60
tgttctgtct	gtgccatgtg	tgttttaaaa	atggaccatc	actgcccatt	ggttaataac	120
tgcatatgat	tttccaacta	caaattcttc	cttcagttct	tagcttattc	cgttctctac	180
tgccgtgaca	ttgctacaac	agtcttcagc	tacttcatca	aatactggag	aggggaattg	240
cccagtgttc	gctctaagtt	ccatgtcctc	tttctcctct	ttgtggcctg	catgtttttt	300
gtcagccttg	tgattctctt	tggttaccat	tggttgcttg	tcagcagaaa	caaaactacc	360
ttanaggcct	tctgcacacc	agtatttc				387

<210> 902  
 <211> 148  
 <212> DNA  
 <213> Mus musculus

<400> 902						
ggggaactct	caaaaggaac	ggacgggaan	catggctggg	catcatatan	tgcaactgcct	60
cgnanncnan	gaattacggg	ctcggtaaac	ganatttttg	ccctcctcct	tgagtgtatc	120
ttatgggcag	nggttggaac	aaaaaaaa				148

<210> 903  
 <211> 273  
 <212> DNA  
 <213> Mus musculus

<400> 903						
aggactgtgg	tcggcanaca	tgctaggaag	accacaggct	gccaccctgg	tggaacgcct	60
gggaagtggg	gagagccaga	gatacctggg	agtctccgga	gatccatcag	agggaccgag	120
ttctgttggt	gaagcagaag	tttccccctc	caaaatcatc	taattctttt	gcctgcttgt	180
ggaagacacg	aaagggtcac	gtgtgtcttg	tttctgtttt	gtgtgntttt	gngtatgtgt	240
ttaaaagcta	tgtaaaaatc	tagagaagcg	aaa			273

<210> 904  
 <211> 225  
 <212> DNA

<213> Mus musculus

<400> 904

aactgacttt	tttcttaagc	accattaact	cttnccgttn	nagggttntn	ctgnantnca	60
gagccatgca	gaatgtgcta	agcggcaaag	cctganngtc	tccantgagt	gactgtnnag	120
cgagagcagg	atgancctgc	tgcantcagg	angnangtgg	ccnnttgcct	ctgccatact	180
gatccggact	tcctcctgtg	tttgtacggc	aaaatatcca	agcca		225

<210> 905

<211> 133

<212> DNA

<213> Mus musculus

<400> 905

agtgtctggct	ttccttgaac	ttgctgtgta	aaccaggctc	tccttgaact	caggagattt	60
acctgtctct	acaggcatgc	accaacatac	attgatgtat	tttatttaca	taaagtttta	120
catatttaca	aaa					133

<210> 906

<211> 177

<212> DNA

<213> Mus musculus

<400> 906

actgagatga	gagactgagg	agcaggctgt	ggggatctca	gccatagtcg	ttggcttcat	60
ggttccagca	ggatgggtct	tagcccactt	ggagagctat	aaaaagagct	ccgcagcatg	120
aagttgcaca	tccttgagag	atttcattaa	acatgtccat	ctgcctaaaa	aaaaaaaa	177

<210> 907

<211> 200

<212> DNA

<213> Mus musculus

<400> 907

tgaccgtcat	tgtcaacatn	aagtngatcc	tggncactcg	gagagcaatc	agcgaggcca	60
atgaagnccc	agaaccagag	caagactatg	atgaggccct	aggacgtctg	gagtcccctc	120
ggcgagaggg	catcatccn	gggacggtn	nctggatggt	ttaantanac	tccantagga	180
agcaaagtga	aaaaaaaaaa					200

<210> 908

<211> 301

<212> DNA

<213> Mus musculus

<400> 908

gactgaggta	ttgcctgttg	gggtgtagtt	gttctggtag	accccaaagg	gaagagccac	60
ccagttatth	gaaaatacca	gcagttcatt	gttgtctatc	atcactggct	tctgggcaga	120
cagaacaagc	ggtgggttgg	tgatattcgc	ttgcacacac	ggccaaggat	gtacttaact	180
gtaaggacat	accgagaaga	ttgtgaagat	atgagctgtc	attctttggc	catggatgct	240
tacggtttac	cccctctcag	attataaaga	gacaaataaa	ccccttggaa	gcaaaaaaaaa	300
a						301

<210> 909

<211> 108

<212> DNA

<213> Mus musculus

<400> 909

ggtaacaatg agagtgcgat agatccatta ataactcatc tgggatatnt gtntcannct	60
tcaagtgtac cacagcgtgg aaacatgggc tggtaacacc actgcctt	108

<210> 910  
 <211> 262  
 <212> DNA  
 <213> Mus musculus

<400> 910						
ttgctcagta gctggagtna cagtcngnng ngagctgcac aacatgagtg ctggagaacg	60					
aaactttcag tcntntgnna cagcnggnan tactttccag ccacangagc tgtccctcca	120					
gccctgctct gcaagcgtng tttttcacgg ttcacccant gctgtgtgtc attcctgntc	180					
tgggcgggnt gantagtgtat nccattgcat ggatacatac cacggttattt atttatcanc	240					
ntattcatgt tatcaatttg at	262					

<210> 911  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 911						
ttagactgag tgctgattat anacctanca acattaagac agaagatntc nggaagggac	60					
angaaangaa aatcagaaga ggaagaggat ggtaaactta aanngcccaa gaatttgatc	120					
a	121					

<210> 912  
 <211> 225  
 <212> DNA  
 <213> Mus musculus

<400> 912						
cctaggggta ggattccncg cngacngaag accccagctc tntaggactt ccctgggact	60					
ctagcaccag atgggactgn ngagacagcc agtcttctga actgaacaac tacngngatn	120					
cttgcccttt cantcaggag acagccactg ttgggctgct ataaccacag cctntangcc	180					
actctaataa atccnatata tgtatattca ttgtaaaaaa aaaaa	225					

<210> 913  
 <211> 172  
 <212> DNA  
 <213> Mus musculus

<400> 913						
attgaacgcg ttttgggaaa accccttgca angggccccg gggacanncg agaggncgna	60					
cccgcacaaa gctngaagag gancggacac ccttacnng ggagatggtn gcgngntcc	120					
cataccataa accacctgcc cattacaagc ctccagcaac acgggcgagc ga	172					

<210> 914  
 <211> 256  
 <212> DNA  
 <213> Mus musculus

<400> 914						
atgaggagta tggctgtccc attctacatg aggatagggt tgtcgatgag ttanagcatc	60					
aaatgcagga ngcngngng attgaggatt accacgggct ganacttgct tccccggcgc	120					
tgattcatat agcggttgtn nnncaaact atcnggtgcn ttgtatacnc canntctnnc	180					
gaggggtnat aaggaaaaca agctnctgcg accatnntct gacgtnaggg cttcttccct	240					
aatgtatgga ggagaa	256					



<210> 915  
 <211> 216  
 <212> DNA  
 <213> Mus musculus

<400> 915  
 gggaatttct caatttttgct nagaggacat tgnacatgga nanatnggag gagaactaca 60  
 acaatcnatt attngtgatn cttatcacgt naatgggaca aatgatttat tggtttcacn 120  
 gttncangat antgactgac tatgantccc ttatgctctg caacatctcc ttcctcattg 180  
 ccctgtaaata aaagctgagt attttaaaaa aaaaaa 216

<210> 916  
 <211> 216  
 <212> DNA  
 <213> Mus musculus

<400> 916  
 tcgactatat tggtgtganc ggttcagcca ccaacactac caatgggnacc natgggaatt 60  
 tggngccggt ancgaccnac anaaggacna gtgttttcgng cngcntcna tagcngcaga 120  
 agggcacctt gncggtctac cactgnggat tccatccatc ncagcgcacc tcttaaactg 180  
 ctgcctagga cagantaata cttgacaata aaagct 216

<210> 917  
 <211> 227  
 <212> DNA  
 <213> Mus musculus

<400> 917  
 tccagactgg atggagagac tgacagttaa acacttggcc aaggccatat acctggtaag 60  
 nggnanagct gctctgngng antccaaagc cctcactttt tgnatntttn tanaantgan 120  
 atatgaattn tttcatacaa ggaaaaggan gaataaanct gtggggggcat gagcnnncnc 180  
 tgggcngagn ttgctaataca ttnaaccac catgatgaaa aaaaaa 227

<210> 918  
 <211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 918  
 actgaggtcc cggggggtttg ggaggatcag tgcattatgc ccaatggcta ggtctgcagt 60  
 gagacctgcg agccttaact taaatcggtc tcgaagcctt agcaacagta acccagatat 120  
 atctgggact cccacatcac cagatgatga agttcgggtc atcattggca gtaaggtaaa 180  
 ccgaggacat gctatccact tatgagagtt attgaagtat ttgatttatt ctttaatttta 240  
 agatgtatatt aagttcaaag taagtatgaa tttttttatt ttacttgagt tagaaaaaag 300  
 caaaatattc ctattttgtc agtaaatacc ttacacattt ctattaaata tgtttgctgt 360  
 taaaaaaaag cctt 374

<210> 919  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 919  
 gaactgaggg tagaattgac tggacatctg cctgtgaaga atagagatgc tcagaagcat 60  
 gacggcaggc tctcagcaaa catggtctac tcaccgaaaa agcttgcaga tgctgcgatt 120  
 actgctagga gagtctccat gtaccttttg gtacttcttg atgctccagt gaaagaccac 180  
 ggatgggaat ttcccatgac ccctctctta ggaacaaaac aaagactg 228

<210> 920  
 <211> 123  
 <212> DNA  
 <213> Mus musculus

<400> 920  
 gcctgtcgtc agatgccgcg nnagcggaaa ccganctctg cctagnngag agtcctccgt 60  
 catcgngtga cnagcaaacg anaacgaaag ggactggncn tgcnccccgg ggtcgtcaaa 120  
 aca 123

<210> 921  
 <211> 366  
 <212> DNA  
 <213> Mus musculus

<400> 921  
 agtcttgcta tgcagatctg gccccccngc gtgataattc tcctgcttct gcctcccagag 60  
 ctggnatgcc aggcctgtnc caacacaccc agctttttgtg tgagtccatc acagttagca 120  
 agaccgaaag caggcagctt ctctttgttt gcggttgga tgcttaacgg ccgctggaag 180  
 tgagtggcca gtggattgtg caaagccgat acagagatac agagcacgcc cttccacctg 240  
 gcgttccggc cagagagctc tccagacagc acccgctcca gaatgcgctt gcgcaaaacc 300  
 agggatgttt gtccggtttg atcattgctg tgtggcagtg tccaagtga gactgcaaa 360  
 taaaac 366

<210> 922  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 922  
 gactgaggtg gcattccacta gactgagggg gacatccagg taccnccngc cagtggagag 60  
 agttcactta ccgaataaaa ctcaagtga ccccgagaaa aaaaaaa 107

<210> 923  
 <211> 329  
 <212> DNA  
 <213> Mus musculus

<400> 923  
 tcagagagga cagatgctac ggtgaacccc cgctcattct ttctaaggaa tcccagtga 60  
 aatacatattg aactgggtccc cctgggggat gaggaggagg aggagaaaaa tgaaagcgtc 120  
 ctgctggagg gtagggcagt ctacttaaat ataagccttc ctccctcacac gccgcctcct 180  
 cccttnatct ccgaggacgc ctncggatat ctgaccagcc cctggctgac gctcttnatg 240  
 ccctccgtgt acacgattgt gttcattgtc agccttcctc tgaacgtcct ggccatngca 300  
 agtgttcgtc ttgaggatga aagtcaaga 329

<210> 924  
 <211> 204  
 <212> DNA  
 <213> Mus musculus

<400> 924  
 ctgaggtttc agtgtttagag agcatcgggg cggagcttgc tgacgattcc cactgcctct 60  
 gccagccacc tagctgntcc ggagctatca cgtggtcacc tgcaacctta ctccaagatg 120  
 atttggccgg aaagggcccc ttcccctgct tcctaaccga gngtcagaaa tagtaaaatc 180  
 gaaccttgat ctgaaaaaaa aaaa 204

<210> 925

<211> 120  
 <212> DNA  
 <213> Mus musculus

<400> 925  
 gaactgagat agccagtccc aagaaaaaac aaccacattg tcagactcct tcctcagcag 60  
 agtgagacgt ccacgttggc gagccgtgag atgccaggac ttggaagggtg atccccctgtg 120

<210> 926  
 <211> 401  
 <212> DNA  
 <213> Mus musculus

<400> 926  
 gactgagctc tctggcacag ctggctattc tcattctcaga agaaaggaga agagactttc 60  
 tgaagatctg gtagagaaga tagaagaaat ttggaataca accaaaagggt acagcaaggg 120  
 acattttaatt ttgcatgttt atgaattgtg acacttgtgc aaatgtgtgt atggtttggt 180  
 cccaaactgt cgccgtagca acaggctctg gcaactggagg ctgggtccagc ctactgcttc 240  
 tttccactcc tgcaccccacc ctgcttcagg ggctccctgag cctgtgggtca tttctgcctt 300  
 ggggggtccca gctcctaact tgggagcaca cgcgcacgca catacacaca cgtacacaga 360  
 ctctgtttctc atccaacagc agatccacag ccttcgtaag a 401

<210> 927  
 <211> 407  
 <212> DNA  
 <213> Mus musculus

<400> 927  
 gactgagaac cagcagagcc cgtggcggac agacagagac atggggtttga tgaatgcaat 60  
 tgggctgcag cctcgggaacc caaccacctc tgtgacatct cagggcaccc agactctggc 120  
 cctccagttg cagaacgctg aaacacagac tgagagggag gaagaggaac caggggcagc 180  
 atcttcaggt cctgggtgaag gcgagggctc agaatatggt ggcagtgggg aagatgccct 240  
 cagcaggatc cagaggctga tggccgaggg tggcatgaca gctgnggtac aacgggaaca 300  
 gagcaccacc atggcctcca tgggtggctt tggcaacaac atcatcgta gccaccgcat 360  
 tcaccgcagc tcccaaacag gcacagagtc aggggctgct cgtacct 407

<210> 928  
 <211> 285  
 <212> DNA  
 <213> Mus musculus

<400> 928  
 tccaggaggg tgggtccanct ggcaagcact gcagctctan atattanaga tgcggntgtc 60  
 tcacgctcta gtcttctaca caanttaact ctgtgnggca ttgtcctagc tggaaagcct 120  
 ttttcttttg ttctctgccc taagcagggg tacctctgga gccagagggt cataangttn 180  
 ttctggaaag gatctagatg aacngagggt ntttancang gggctggaan cnttggnttt 240  
 nataaaaant tgcctttngt ttnaaagaag gcttggtttc aaagg 285

<210> 929  
 <211> 369  
 <212> DNA  
 <213> Mus musculus

<400> 929  
 accactgtat aaatgggaag cagctttcga ggctacagcg gaatgtgatt ctcttcgtct 60  
 tgggctttct gattctctgt ggattcctgt actctcttca tacggctgac cagtggaaag 120  
 ctctgagtgg cagacctgca gaagtagaga agatgaagca agaagtcctg cctgtcttac 180  
 cagcgcctta gaaggaaagt gctgaacaag aagggtttgc agacatactc tctcagaagc 240

ggcaaaggca	ttttcggnng	ggccctcccc	atctgcagat	taagaccccc	caacacagtc	300
tccaaggatg	ggatgcagga	tgatgctaag	gagaagagaa	ncagccctgg	ggaaggctca	360
gcaaggaaa						369

<210> 930  
 <211> 416  
 <212> DNA  
 <213> Mus musculus

<400> 930						
gactgagtca	aggtgaagag	aatgggattg	actgcagcca	aggagacaag	cctgcggagc	60
ggggcaagcg	ggcccagagg	agaggatttg	gacgtggcag	gggcagaggg	acaggaaggt	120
tctccgctca	aagcatgggg	acattcaatc	ctgcagacta	ttcagagtcc	atgtctacag	180
atggctgttg	gacaaagttg	gcagtttggg	aagctgctca	naatgggtaca	gatgagggac	240
cgggattgtg	agtgtgtaca	cacaagctgt	ggagggcgaga	anactttccg	ctagtggatt	300
acaagagtgt	actcaggatc	tccggcccta	atggtttgat	caccaatcca	gnggaancaa	360
acttttattc	cttaaaacca	attacntgaa	ataaaaatta	tcataagcat	taacct	416

<210> 931  
 <211> 444  
 <212> DNA  
 <213> Mus musculus

<400> 931						
agactgagct	gcccaatatg	ttcggcgacc	ttcgggtccac	atattattgcc	ttgatgattg	60
gattcctacgc	ttcctcagca	gttaccttcc	caggaatcaa	gctcatctac	gacgctggcg	120
cctccttcat	tggcatccta	gtggtctggg	ctggctgctc	tggcctgggt	tttttcaact	180
gtttcttcaa	ctggccactc	gagcccttcc	caggcccaga	ggacatggac	tactcgggtga	240
agatcaagtt	cagctggcta	ggctttgacc	acaagatcac	agggaagcag	ttctacaagc	300
aggtgaccac	agtggggcgc	ccgctgagcg	tgggcagctt	tatgcggact	gccaaggagc	360
aagccgccct	gcaggagggc	cacaagccgg	ggtggcccct	gggggaccct	ggagggnaan	420
gccacctgat	gctttaacgg	gccc				444

<210> 932  
 <211> 174  
 <212> DNA  
 <213> Mus musculus

<400> 932						
tccaaaaggg	ctggagaact	tacnngnnga	tgagngtgga	gcagagtgat	caccatnatt	60
gcnnaaccca	cgacagttca	agatcccang	actggttcct	gaacagacag	atggatgttg	120
aaggatggga	agtacatgcc	aggttttttg	ccaacnggtc	tagacaacag	gctg	174

<210> 933  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 933						
ctctacacta	gacgggagat	gctgccaaagt	gccccagacg	ggatcaagac	tccagtgaca	60
nccataagat	tcnctaaagc	taagacactg	caaaaagaaa	aaa		103

<210> 934  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 934

gggagagtca	tggcaagcan	gcnccttggaa	caaggacact	acagtnngaa	cncnttcnac	60
tacaancgga	agtcaaggag	aactgaaagt	gnctccnnga	accctganat	gnaaanctga	120
gaagagtgct	gcgtgcanaa	tgcttcnctg	gatgtttttt	tcctctattc	tcacagacaa	180
ctgg						184

<210> 935  
 <211> 324  
 <212> DNA  
 <213> Mus musculus

<400> 935						
tgaggatcag	accaggcttc	tttgggtctt	gtctagagat	gtccnacaaa	acctcaccaa	60
ccaagaagat	caacgggcag	aaatgacccc	accatcacccg	tactatccac	agagcaagat	120
ctccaagaag	gatacttatg	acgcagggac	agccacccag	accacgtgag	atgccaggac	180
ttggaagggtg	ccaaccaaga	agatcancgg	gcagaaatga	ccccaccatc	accgtnttat	240
ncacaganna	agatctccaa	gaaggatact	tatgacgcag	ggacagccac	ccagaccacg	300
tgagatgccca	ggacttggaa	ggtg				324

<210> 936  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 936						
ttgaaagcct	ttggtgatna	cgcctccant	nctagacggg	agatgctgcc	aagtgccccn	60
gacgggatca	anactccaat	ggnagnnata	atattcccta	aagctaagac	actgcaaaaa	120
aaaaaga						127

<210> 937  
 <211> 218  
 <212> DNA  
 <213> Mus musculus

<400> 937						
agactgagga	ttggtggaca	naactggcag	tnctctaccn	agcagtncaa	cccctttgcc	60
agatttnagc	ttccatgtgt	gcacatttag	aaagtgatgg	acagaactca	ccagagngat	120
cctcaacctg	agacaaccaa	cagtgaagtg	tggagagcca	aactgacca	aggcttgctt	180
agagtaaagt	taacttgggg	taaatgtaaa	aaaaaaaa			218

<210> 938  
 <211> 265  
 <212> DNA  
 <213> Mus musculus

<400> 938						
actgagatct	accagcatg	aaggctgtgc	ttctcctcct	gtgcgccttg	ggaaccgctg	60
tggcaatccc	gatgaatggg	agccgggttc	tgacagctga	atcatcanaa	accaagctct	120
atcaccttga	tcaagcagtt	cacgggaaac	annnaattta	tgacagacgc	tangaacctt	180
gcctaactca	tgtggagcag	tcccgtngag	tttacacact	gtactctgaa	attataaata	240
cgggacaaac	taacataaaa	cagtt				265

<210> 939  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 939						
agactgaggt	acctgtagga	gaccagactg	tgggaaacca	gaccttcaac	agctcccacc	60

ctgagaatca	atngaccctt	tgttgggagc	caagccaccc	ctccttcaca	caaggctgat	120
cagctgatca	tgagaaccaa	ctgacccttg	tcctggccag	acacctgggg	ctgtttgggt	180
ggatccagca	tccaaagata	agccacaaaa	tgtttcaagc	ctgcaactcag	catctgcccc	240
agatgttggt	ccctctctct	gtgctttgat	cattccccct	cagnccctcc	ctatttcctc	300
tcactgngtg	cttataatca	ggctttcagc	ttccattaaa	gtagaccttg	acaacc	356

<210> 940  
 <211> 124  
 <212> DNA  
 <213> Mus musculus

<400> 940						
ctcatccatg	atcgcatatn	atcctcacia	cagtaccaga	tagtgggggt	tattacgccc	60
aatctccana	tggtggaact	gaggttcang	ggttaggtna	ctgccctgag	atcaccaggc	120
aaaa						124

<210> 941  
 <211> 249  
 <212> DNA  
 <213> Mus musculus

<400> 941						
cctgcctggc	tcttgnttgg	aagacangga	nacttagatc	tacttanaga	aaaagggaat	60
tctgaagatc	taccatcatc	taatcccttc	nagtcagggt	tgagggccag	cagagatgac	120
tggaacccat	gctgngggag	gagagaacca	actcctgcc	gntgntctct	gacctccaca	180
catgtgccac	agcttgtgca	agtgtgcaact	cacctgaata	aatgtcattt	taaattctaa	240
aaaaaaaa						249

<210> 942  
 <211> 113  
 <212> DNA  
 <213> Mus musculus

<400> 942						
gtgttaagtt	ttgatccctt	tacgggagat	gctgccttgt	gccccagacg	ggatcaagac	60
tccaatgaca	accataagat	tccccttagc	taagacactg	caagaaaaaa	aaa	113

<210> 943  
 <211> 430  
 <212> DNA  
 <213> Mus musculus

<400> 943						
gatggctgat	gagtcccagg	tgatnagccn	ntcgtnccgc	angaccacgt	tggnngttcac	60
cggctctgaa	gactcnnat	cggncctaag	agcaaangag	gatgatgaca	ggcgcttgct	120
ganggaacct	gactgactta	agtnctggac	tgcttactga	caatgccctg	tgtctgtcng	180
attcaatata	tttggcaaga	gggacccatt	ctctgngagt	ntggaannac	ttccaatgta	240
cccatnttnt	ntaccangan	gtccattttt	atatgaacan	nctatgaacc	cctntcaatc	300
cacattagct	taattnccaa	gantaaaaac	agancgaggg	gtggccagat	ggctcnacca	360
gtagtngaaa	aaagtgnca	nggtnatnng	accgttcttc	atgcgnattt	tttntgtatg	420
gtggctgcat						430

<210> 944  
 <211> 159  
 <212> DNA  
 <213> Mus musculus

<400> 944

aattaaacct	agaagagctt	gggntcaaaa	tgtcattnac	ccgnctcgaa	cgccggcgca	60
tcaagttcag	gcaaggcggg	cacccactgg	catcagggtcc	gagtgttcca	ccagaacgtc	120
ttccccaaact	tcacggttgt	caacgtcgaa	aaaaaaaaa			159

<210> 945  
 <211> 295  
 <212> DNA  
 <213> Mus musculus

<400> 945						
agtgtctcac	aggagctcac	catnagcctg	gagaagctgn	aaaangacaa	gagcatncga	60
ggggtcattcc	tcacgtcgga	atgcccgggt	atcttctnng	ctgggctgna	cttgctggag	120
atgtatggcc	ggancccgagn	ccactatgct	gagnactgga	ngaacgngca	agagctgngn	180
ntgagactct	ncncgtccaa	catgatntta	gagtctgcca	tcaatggagc	ctctccannt	240
ggnggggtgnc	tcttggtctct	ctgctgtgac	tacaggggtta	tggctgacaa	cccca	295

<210> 946  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 946						
acagactcga	gtagttgcac	tttgctccat	aaacaagaca	tgaggactat	acccagagta	60
ctctcgtgcc	ttagaagacc	ccagagaagc	agaacgttat	cttgaatggc	tccagcaaaa	120
tctgtgtggg	caactgaaat	gtaagtcggt	tggtgaatcc	tgctttcatt	agttcagaga	180
tccccataaa	ttggaaagag	aatccagtga	aattggtaaa	ctatttcaat	actttaataa	240
agccctgaat	ttatacaata	g				261

<210> 947  
 <211> 144  
 <212> DNA  
 <213> Mus musculus

<400> 947						
tgagggtccag	gtcaaggcct	cgtcccgcctc	acatagtaga	agcngtgaaa	gatccagtca	60
cagaagaacc	cgtagcaggt	ccagggacag	agacagacgt	aaagtcggg	acnaagagaa	120
aagagaaaag	gagaagaaaa	aaaa				144

<210> 948  
 <211> 115  
 <212> DNA  
 <213> Mus musculus

<400> 948						
aaaacacctc	cagcanccaa	ccangcatct	gaccctgagg	aaaaagggaa	ncctggcagc	60
atcaagaagg	ccgaggagga	ggaagaaatt	gacattgaac	ctctaaaaaa	aaaaa	115

<210> 949  
 <211> 531  
 <212> DNA  
 <213> Mus musculus

<400> 949						
ttagactgac	gataaacctg	ttgggtgagag	ccatggcact	caaggctccta	cctctacaca	60
ggacgggtgct	cttcgctgcc	attctcttcc	tactccacct	ggcatgtaaa	gtgagttgcg	120
aaaccggaga	ttgcaggcag	caggaattca	aggatcgatc	tggaaactgt	gtcctctgca	180
aacagtgcgg	acctggcatg	gagttgtcca	aggaatgtgg	cttcggctat	ggggaggatg	240
cacagtgtgt	gccctgcagg	ccgcaccggt	tcaaggaaga	ctgggggtttc	cagaagtgtgta	300



agccatgtgc	ggactgtgcg	ctggtgaacc	gctttcagag	ggccaactgc	tcacacacca	360
atggatgctg	tcttgcgggg	actgcctgcc	aggattttac	ccgaagacca	aannntnggt	420
tgttttcaag	acaatggagt	ggtgcccttg	cggagaccca	ccttcttccc	tacgaaacca	480
caatttgga	atgtggtgcc	aaggnggcag	canacctttt	aaaaaaaaaa	a	531

<210> 950  
 <211> 241  
 <212> DNA  
 <213> Mus musculus

<400> 950						
cgtgtgaaga	gctatggnga	cagaagccca	gcatcaactg	ttaagcncca	gaaggggaagg	60
ctnatcgcca	tccgggcgct	gtctgctcnc	accgaggaac	ggctgcagnt	cagttcctaa	120
gcactaagca	tcntatgagc	atcttagcag	ttttacttca	cattctcaca	tttgttttga	180
aaaataactg	ttcaaattat	aactgcagcc	atttcagaaa	gtggaaaatg	ataaatatta	240
a						241

<210> 951  
 <211> 384  
 <212> DNA  
 <213> Mus musculus

<400> 951						
gaactgaggc	tggactgggg	natcatggtg	gantgtnttc	nggccctgac	attgaatagc	60
tactatnttc	ataggccatc	agcatttgtg	aagaaangtn	ttngnnnact	cacgaggacg	120
tggmagagca	aanggatgca	caggaatntt	cngagactgn	attttcataa	gcanaaaatn	180
attntanccn	gannacctat	gcatgccctt	ntngggggnc	tgntgnttgc	tcttctgngg	240
gctggaanat	cccttctcct	ggnactgttc	tcacttctta	gatttatatg	tgacttgtgt	300
tgcattaaag	nnttactgaa	ctgngccngg	ganggggnaca	ggtatcagna	ctaccaacaa	360
ccaacgggaa	ctgctgctgc	tgga				384

<210> 952  
 <211> 232  
 <212> DNA  
 <213> Mus musculus

<400> 952						
caggcattgg	aggctccaag	ggcccttgta	aagacatgtc	cattgcgaag	tgaccagaag	60
agctaccccg	aggactaatc	gctaattgct	gggatagaag	aggaagacct	aagcatgcag	120
acctcccctg	ctttctgcct	ttctgtcaca	gtgtgttcat	catactcaag	ggccagcaag	180
atgatccagc	gggtgtaaga	gggtttcaac	cgtgtgcacc	ttcccccccc	cc	232

<210> 953  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 953						
cactgagctc	aagactgagt	ntgcncaaat	cttantaataa	gccantonta	gtacagcttg	60
gngatacaac	ccctaaaaac	agcacaccca	ccatgtttta	cctcatgaag	aaagataagg	120
acaaagatgg	cgggcg					136

<210> 954  
 <211> 409  
 <212> DNA  
 <213> Mus musculus

<400> 954

tgagagttgt	acccggcgtg	gctggccaga	ctgtcaaaga	cgtaacgcaa	agagtcctcc	60
tctaattttt	ttctgccggg	aatcttgga	cccttgtag	acaaaggcng	cctgtgtgac	120
tctctgtcc	aatagacact	tctgcgactc	ctcagggcag	ccggtcgtcc	ccgagccaag	180
gacaaagact	cgcagcgcg	ccaanggatt	tatagcgacg	tccccaagct	gccgagcttg	240
tcaccacng	agcctgacag	aaatgcggaa	tggatctgtt	ttaacagaga	agaaaaagca	300
ggccagtttt	tcgttaaccc	ccccgaaccg	gannaagatc	cgaaagttna	agcattgttg	360
gggaaaactg	gttccccggg	cncctgnnttt	cgtgaatgaa	ataaaaaac		409

<210> 955  
 <211> 398  
 <212> DNA  
 <213> Mus musculus

<400> 955

actgggcca	agagggagcc	agattncntg	acacggagac	atctgtccag	ccaccaaaag	60
aaggtacaaa	atatcacagc	acctgctgga	attccaactc	atgaccttcg	ggagaacagt	120
ttgtgtcctt	gacgctaagc	tacctgttct	cagnttttac	atttgacctt	tgggcatcat	180
ggtgccctga	ggggacaaga	acaggatagg	gaatctgcgc	atgctcactc	gccggaggcg	240
ggtttaannc	gtgtgncaag	tatttttctt	tttggaagaa	atgaagattt	tacttaaact	300
ttataagaga	tgagaaatna	aaccacggtt	tttctgggga	gcacgaacgt	gccccgcggt	360
ccctggcaaa	cttcttccc	gttcttgccg	caaatgg			398

<210> 956  
 <211> 660  
 <212> DNA  
 <213> Mus musculus

<400> 956

actggagaac	agcagcagag	aaaagaaaag	acagagccaa	aggccttctg	agtcaagcaa	60
agaacggaat	gcaccccgca	aagaagaccg	cagcgccagc	agcggggcag	anggtgacgt	120
gtcttctgag	cgggagccat	agatgcggat	gcaggagctc	agcaaattac	cattgggcag	180
aattggatcc	tgaaaaatca	agatgctaaa	gcccctacac	tgctttaaga	atttgggact	240
caaatatgaa	aagaaaatca	gaaataagac	cctgggaacc	tgaatatccc	tgcaaaaaa	300
caccaaagga	ccatttcatt	ttgtgtattg	ctgtggtctg	attggggtaa	tgggtgctgt	360
gggatgggag	antgcttgtg	ggttcacacc	catgctctcc	ccatggagaa	ggggccattg	420
gttttcttgc	tttctaccat	gtcttggtt	gcttttgaa	caggctggcc	tancatcatc	480
tgtcctcatc	tgtggtgtac	tgtgagtctg	tgatccatct	ccagcacatg	cctgctgtcc	540
actatttcca	tcattgaatc	acaagacagg	gctggtgtta	gacaaccaat	aataacatat	600
tgtttgaaac	tttggcatct	tggtacattt	tcctcttctt	ttcctaataa	ataaattaat	660

<210> 957  
 <211> 211  
 <212> DNA  
 <213> Mus musculus

<400> 957

actgaccgtt	ggaaggagag	ttggggntct	tcncagatgt	gnaccctgaa	aggctaccgc	60
tgctcctgtc	accagagcac	aggaaattgg	gaggagaatg	tggngcaggg	gatagaggag	120
ttggaatana	gaaaggagaa	aatgaagacg	ngacctgtgt	ccaataagac	ttcatttaca	180
aattaaaact	gnntgaccca	tgataaaaaa	a			211

<210> 958  
 <211> 296  
 <212> DNA  
 <213> Mus musculus

<400> 958

cactgagtgc	atactgggtg	tggtgctgaa	ccccgggagt	cctgaactaa	acagaatata	60
------------	------------	------------	------------	------------	------------	----

cactgccctt	caaagcctgg	aggtccaggg	gaggagagat	agccnancct	nnanaaggcc	120
cannanntgg	nggtgacgaa	gttgattngg	aggcnaancn	tgcctctgac	actctgctca	180
tatgncctcc	tgccgnattc	ccaagtcnnt	ctntatccnt	atgcggncaa	gagagatccc	240
cgtccgatga	ctcctngtgt	nccatggngg	ggacactgcc	caatgagagg	gtccag	296

<210> 959  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<400> 959						
ttcgaacata	tcctttcaag	caccantatg	attctggatt	atntngcnnc	tgtacttttna	60
aagtggcggg	ancagagggt	ngaaattaaa	gcnttattaa	gtacattgaa	ccttgghanan	120
gcctgnacna	cctgngaggc	cactccttga	aannctgtnc	cantgncct	gtcccaccgc	180
caaaaaaata	caccacaaat	aaaaacctga	accaaaaaaa	aa		222

<210> 960  
 <211> 248  
 <212> DNA  
 <213> Mus musculus

<400> 960						
ctcttttctgg	ccgcagngtt	gnccgcgttg	gtgaccggga	gagagtctgg	agcggttttg	60
gagagggttg	gcggcatcan	cnagcnnccc	tgacctccc	actggatcca	caaaccagct	120
gctacccacg	ggagggtgatc	gngctcaggg	ggtccaggac	ttggaaggga	cagatctgaa	180
cctttttcaaa	gttgctttct	cctccaagcc	acaaggcctg	gccaccccaa	gcaaagaaag	240
gaatggga						248

<210> 961  
 <211> 208  
 <212> DNA  
 <213> Mus musculus

<400> 961						
ctgaggctaa	aatgaaatgg	tggttctaag	tcctcgactc	tgagagaagg	agaatggaag	60
tcaacaactg	cccatcaagg	gttgattccc	cacagagggg	aatgggatgg	ccaagtctca	120
cctgcatgta	cccaagaatc	tgtggcacac	ggtaaagaga	gctgccattt	ctctgccacg	180
agaagcagtg	acaatggaaa	aaaaaaaa				208

<210> 962  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 962						
aaagaagagt	gtgaaacaag	aagcaaagat	cgggttggaa	gagggcaaag	aggaaagggg	60
gggatggaag	gaaacctgac	agccaccaac	acaataaact	gtatcctgac	caaaaaaaaa	120
a						121

<210> 963  
 <211> 155  
 <212> DNA  
 <213> Mus musculus

<400> 963						
ctgaggcgga	gtcaggatcg	agtgtctgtc	nccccaccgc	cttcacccca	acttcgantt	60
tggccaccaa	ctgnanacac	ctnaaccccg	gtatctgggt	gagggcactg	actgggatct	120
cantgtggac	gccggcttga	gtcctgcctt	ctgtg			155

<210> 964  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 964  
 aatgtttacc cttgcggaag ttgcttactt aatgacattc agccaactta ccgaatcctg 60  
 aagccatggt gggacgtggt tatggattac ctggnagtcg ttatgctgat ggtagccatc 120  
 tttgcaggga ccatgcaact taccaaagat 150

<210> 965  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 965  
 tgccggaacc gaacgnngcn cctctcgna agnagnaagn gctcanctgg tgnntnatct 60  
 ctncanccga canaggcttn tccctgctgn tncgtttaga nacccgtaac tgctcaacat 120  
 gcacacagta agctaccatg gaggacctcc ctgcccctgt gtggtcacca ggagcagagg 180  
 acctgccata tcctttctcag tcttgggagt ggctgctggg acagtgggtc ccatcccacc 240  
 tggcttggtt cacctggcct ctgaaactcc aattttctaa agaccaaacc caacaaaaca 300  
 caaa 304

<210> 966  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 966  
 tccaggagcg taatgtccag gtgttcctca tctctggtgg ctttcggagc atttgtggac 60  
 accgtgctgc aaagcttcaa tatccccaac aacccaatgt gtttgct 107

<210> 967  
 <211> 238  
 <212> DNA  
 <213> Mus musculus

<400> 967  
 cgaacctctc tggatacatc gtcaccggta aaccagaggg tgggcctcct aggcccaaatt 60  
 ccagtcaact ggacaatgaa gatcacccat cacatatata tttggactta ttccgactat 120  
 tcctgtgttg tcttttgcac tactttcttg gtttatttct ttattgattt gtctgctcca 180  
 ttgaatcctt ttctctgagt tttgtgttgt attacaagtt ctgtgccaaa aaaaaaaaa 238

<210> 968  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 968  
 ctaagtaatg gtcaagactg aggggacgtg gaacacctgc acaaactgga tttttgcctt 60  
 atcacgactc tgaggtaacca tccggcaact gaagtgtcct ctttccaata gaatgcctgg 120  
 cctctccac caacttcacg gttcagccgg aatgaaattt ggctaacaag tcaaaagaaa 180  
 aaaa 184

<210> 969  
 <211> 144  
 <212> DNA  
 <213> Mus musculus

<400> 969  
gatctgctct tggaagagtc gaatgttcaa gccagtgtca acgccagtaa cagtgtgtgg 60  
tgacatacac ggacaggtaa atttcacaac gaagtttttag gacttgttct atcagtgatc 120  
cacttgcttc caacttgtgc tgca 144

<210> 970  
<211> 325  
<212> DNA  
<213> Mus musculus

<400> 970  
ttaccttgaa cattggncat taatgctcnt tgtgactcat ctcaaaagaa gaactttttg 60  
cgcaggtcng actcttctcc agccagaggg aagaatagca tctcccagac atcctgcttt 120  
gtgttctgct gcctttgaag tcagttgggt ggcttttcat cantggaagt gaggaaggag 180  
gaattcatcc catcacatca ncacacttta gtgaagcctt tctgaaaacc tgtctttctc 240  
cactggtaga cttggattgg gagaagattg ctttcaacgg gtctgccttt ggaaatcatc 300  
gtcttctccc taacctgaga aagca 325

<210> 971  
<211> 154  
<212> DNA  
<213> Mus musculus

<400> 971  
acagcatgac ctgcgctcct ccatnatagg ttatataccn agagctcact tctactacct 60  
gaaanctgan tttggtctca aaatctcaga tggtgcctca ctgattaaag caatcagtgg 120  
cctgaagggtc actgcggtcg gtgaaaaaaaa aaaa 154

<210> 972  
<211> 256  
<212> DNA  
<213> Mus musculus

<400> 972  
agactgattc cccagctttt cggctgacct gagcaganag agaggaaggn cgtcagcctt 60  
cacagccatg gccatcagca tcagcaacac catccatcct actgccatca cttcaagatc 120  
tcattcaacc ccaggggagc tctgagggaa tcaaggcctt gctctccaga tggaaaaatc 180  
cgggatttca agggactcag gctgggtggg ttagtgacgt catagataaa ccagcactag 240  
accatgaaaa aaaaaa 256

<210> 973  
<211> 130  
<212> DNA  
<213> Mus musculus

<400> 973  
gactgaggtg ggcaccctgc agattcctgg cttgnttgta ctctnctccg accgacgcga 60  
ccggagaaaag agaaccccg c agtgcanctg nntngatact gaatatcgat acgcgacatt 120  
ttgaaatata 130

<210> 974  
<211> 356  
<212> DNA  
<213> Mus musculus

<400> 974  
caactgagac tgaccagcac agagaaagta gctacctacg acagaaaacc tttccggaag 60  
aagttaacta agatcggccc gcctgctccg gagacctcat tcgttccgct gagttccaaa 120

cccgaggagaa	gcccccaagtc	aggacngcca	cggnacacaca	caagaaaccc	accaattcca	180
tgccggntaa	gtggcactgc	gcctgcgcan	gaaggcaggc	tgnggggtgga	ctcgggctcc	240
ctgcgggaaa	acggaaccgg	ctgaaactgc	gttccgtggg	tcanagtgcg	gcggcggctg	300
gagaccaaga	ttcgtggtct	agcgnggaaa	cttnacacca	tactgccccg	tctcct	356

<210> 975  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 975						
atctatgagg	catgactcat	gtctcaatca	natctgctta	ccccagttc	tccatggaat	60
tagatggcgc	tgtcactacg	attaagcctg	nnctnnnat	ttgnaatgat	cactatgctt	120
naagatntcc	atgtcaacaa	gatctccatg	tcaagatcca	agtc		164

<210> 976  
 <211> 166  
 <212> DNA  
 <213> Mus musculus

<400> 976						
gactgagaga	atggcattcc	ctgtggattt	gctggataac	tgcacgcatg	atatttgcct	60
ttcaagcttc	attcaatncc	actccagcca	tactgtaact	actttatggt	aacaaaatga	120
gctctctttt	gcagacttag	ggaaatgatt	aggaaaataa	aaacaa		166

<210> 977  
 <211> 426  
 <212> DNA  
 <213> Mus musculus

<400> 977						
agaactgagg	ttatgagana	gaacagatga	tgttttnagag	aaaanccctcg	ctgggcagan	60
tcaggagggn	agtgagaacc	atcttcatca	accaagcctc	agctgacaaa	attctgcaac	120
aaccacgtca	gtactgcaaa	atacaaccgn	gatcacattc	cttccgaggg	tcctctattc	180
tcagttccca	aagagcggct	aattcgntct	ttctctttat	tgccctgctc	cagcaaattc	240
ctgatgtgtc	gcccgaacccg	gtcgttacac	aacactgggt	cctctcttat	ttatttttag	300
ctgnggctgc	tnttaaagaa	gataantaga	agatattnaa	cgacacaagg	ctgataatgc	360
tgtgaacaag	aaacagaccc	cagggttttga	gaaatggggc	ctgggggaaat	tggtcactgg	420
ggaaaa						426

<210> 978  
 <211> 292  
 <212> DNA  
 <213> Mus musculus

<400> 978						
tcggtacaac	agaactgcnc	gctaagctgc	cgacgcttac	gctcctgttc	cgaggtgtct	60
caagaactga	gccgacggga	cgggacggga	cgggacctcc	acagccaaga	ctcactggcc	120
tcacagaagg	tctactgaca	ttgacttcat	tggtacgacc	tcataactaa	caaacactat	180
tgtccttgaa	attaaaatca	gcgtcagcag	ctctgatctn	cgttttcana	canaagagaa	240
atctgttttt	cagttaaaat	ttgtncaaaa	gtcacaccct	gaagttttct	tt	292

<210> 979  
 <211> 293  
 <212> DNA  
 <213> Mus musculus

<400> 979

acttgatgt	aaagtctccc	ctcacgtggc	cggttctgga	gaaaagccca	taacgttctt	60
gtgtactgtg	taacttgatg	gtacgtgttt	gtagctccg	aggcaccact	tggtcaattg	120
cactgcccta	agtttttggtc	cacatgggtt	gctaaaagta	atgagatgct	atataggagc	180
actaagtgtg	tttcctgtgg	cccactgcat	tatgggtcag	gatccctctc	gggggaaatg	240
ttctgcaagg	caatgttaat	gntggcatga	atggaaaaca	ggatttacgt	gtc	293

<210> 980  
 <211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 980						
actgaggtgg	tggacccaga	ntgagtatat	tcccaataca	tctcgggagg	ccagaatgaa	60
gcaggggtccc	aagaaatcca	agatagtctt	cagaggaatc	gggcctccaa	gcgggtgcc	120
aaggaaaaag	gaggagagt	gtgtcctgga	aattctaact	tcacctaagg	agtccacatt	180
tgcagcctgg	gcaaggattg	ccatgagagc	agctcagtca	atgtctaaga	atcgatgtcc	240
tcttccgtct	aatgtggagg	cctttctgcc	acaagccact	ggatccagat	ggtgtgtgt	300
ccatggcagg	cagctccctg	cagataagaa	aggttgggtt	cgcctgcaat	ttcttgctgg	360
acagacctgg	gttccagaca	ctccccaag	gatgaatttt			400

<210> 981  
 <211> 395  
 <212> DNA  
 <213> Mus musculus

<400> 981						
acactgagac	aacataatgc	tgntggatac	tgggctnnac	cctnatgctt	acncctngtg	60
aananatggn	ttctgctacc	tggatcccaa	acccagtgc	ncanaggcaa	gaactgttgc	120
cacttgctga	ancaagatgg	aantatttgt	ggacatggct	gagcttcgac	tctnacttna	180
gtgaccgcgc	cttcgctgct	ggtgaaggag	cactgggaag	tactcaaggg	agtagtgaag	240
gctagacttc	ctaagtaaaa	caagctgaaa	acgacaacta	cctgccatct	aagaagaaag	300
cctgctggcc	ctcactcttg	actcagctcc	tgtttccagt	cagcatggag	ggatcnaggt	360
gggaggtggg	gtgatggtgt	ctgctctgtt	ctaaa			395

<210> 982  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 982						
tccagggatc	cagcaccatc	ttctggcctc	cacaggcacc	gggcacacac	gggtacacat	60
gacattctta	caaccggaat	accatacat	gtaaaataca	atttctaaaa	ttaaagat	118

<210> 983  
 <211> 260  
 <212> DNA  
 <213> Mus musculus

<400> 983						
ctgagaaagc	ggtggagaaa	gaactggatg	ctctttttgga	acagcagaac	accattgaaa	60
gtaagatggt	cactctccac	aggatggggg	gagtatgtac	cacagcaaaa	gttgatcatt	120
ccagtaggac	cacaggataa	agttagtttt	cctagcccca	tagtccagtc	tcttggaag	180
ctaaggtggg	aagcttgctg	caaagttcga	ggccagcctt	ggttatagag	caaggnactg	240
tcacaagaaa	ggaaaaaaa					260

<210> 984  
 <211> 326  
 <212> DNA



<213> Mus musculus

<400> 984

actgagcctt	tgaccttcag	ttctgngttn	ggccagggtat	tnnnntgtct	ctganngtgn	60
cccaccanag	aanagagntn	nntaacnnnt	gccttcctga	ngtataaaan	gnnccaaaag	120
ctggattttg	ggcaaggggn	cctntgggac	ctaaaacaca	ttgtaggcat	cctgtgcagc	180
tacagccagc	aggggctgga	acctgtagca	cctgagtaag	gcaaattggac	aacggaggag	240
ccgcagcagg	tcacaccagg	aaccgacgag	gtctgtttga	attccccctg	ggaaataaaa	300
catccagtca	acttcaaaaa	aaaaaa				326

<210> 985

<211> 387

<212> DNA

<213> Mus musculus

<400> 985

attgcggcctt	atgacaaacn	cgtacctaaa	gnaaagtgat	gacaatgatg	cangacctat	60
atgatcngcn	tggaacgantg	ccngggnaat	ctttgatgca	ntttcttaaa	nggtnacacn	120
ttnttcnttg	gcttcgatga	ggctgagcctt	ctggcaaagc	ttgaggaatt	ggagcaggan	180
gaattaaata	agaagatgac	aagcctggag	cttccaaatg	tgccgtcctn	gtncctccca	240
gcacagccca	gtaggaaagc	cagcatgccc	tcctccgtgc	accggtctng	aacangcatc	300
ttccaggagg	gcacaggaag	atgatgactn	canacaacta	gcacttgggc	cctttaaaag	360
ctacantggg	aaacacttga	cacctaa				387

<210> 986

<211> 542

<212> DNA

<213> Mus musculus

<400> 986

tgagataaac	gtgtagcata	ctggccgctg	atgcagtctc	catggccaac	gataagcata	60
agcacgctct	atctcctgtt	cgtgtggctg	ggtccaaagt	ggatgaaaga	ccgcgagccg	120
ttccaaatgc	gcttagtact	cataatctat	aatttttgga	tggttttgct	taaccttttc	180
atcttcagag	agctattcat	gggatcatac	aacgcaggat	acagctatat	ttgccagtca	240
gtggattatt	ctaattgatgt	taatgaagtc	aggatagctg	gcgcctctgt	gtgggtatttt	300
gtatcgaaag	gcgttgagta	tttggaacaca	gtgtttttta	tcctgaggaa	gaaaaacaac	360
caagtctcct	tccttcacgt	gtaccaccac	tgcaccatgt	tcactctgtg	gtggattgga	420
atcaagtggg	tggctggagg	ccaagcgttt	ttccggggcc	cagatgaact	ctttcatcca	480
tgtgatcatg	tactcctact	atgggctgac	tgcgttccgg	nccctggatc	caaaaatatc	540
tt						542

<210> 987

<211> 293

<212> DNA

<213> Mus musculus

<400> 987

attggtacga	ctccatngag	aatgcaagac	cctnnccctg	cngtgcagtt	ctcaaactta	60
ccccggattg	acttcagtag	catagctgtg	cctggcacgt	caaaccacca	acagcgccag	120
ctgcccagaa	cccaggctca	gcactcatct	cctggggaaa	tgcatcttc	tcctcaaggc	180
ctagacaacc	cagccctgct	ccgagacatg	ctgctggcca	accgcgatga	gttgctccttg	240
ctgaaggagc	gcaaccacc	cttggcgga	gcttctgtc	aattggaaaa	tcg	293

<210> 988

<211> 397

<212> DNA

<213> Mus musculus

<400> 988  
gaactgagag ctttcctggg caccgcctcc ctgctccnaa caccacctgn gatnccaaag 60  
caacantctt acctccctgg gtgattgagn caccctgcan gcagcatgtg ctgctgatga 120  
nagctcggga tngcnatcat gaatggtctt ggattccaaa cctgcctgtg gtcantctng 180  
tatcaccgac nacgacaaca caaaangttt ctgncttgct tttgtcatct gtaagatgac 240  
gttcacaaca gcacagtccc agcgctacca cggccccaac agagtcagct gtactcaaga 300  
cagaggaaga cgccatgatg tcaactgtac tgatggatac ctaggaatct aagatgaggg 360  
ctggggagat ggctcangtg gcaaagtctt gcaaaca 397

<210> 989  
<211> 140  
<212> DNA  
<213> Mus musculus

<400> 989  
caaactcggg agtggtgagg ctttgctgta atgtctgaga tangggcctg gctccacccc 60  
aggaagggag gccaacgtca ctaacactgt atgtgcaaat gtccgcaata aaacactttc 120  
caactttgta aaaaaaaaaa 140

<210> 990  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 990  
cagagcctgc taggcctctt ccctcccaaa acagccaacc ccaaaagaag gaaggacgat 60  
tcagcatgct caaccaaata ttctgcaaaa ataagaagaa aagcaaaaaa a 111

<210> 991  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 991  
ccctgggggtg ttggaaccga tcatgtgaac ncanggggtg attnaagccc tggtaagcgg 60  
gtttgagggga tgactcagga nccaggagaa ctatttgtgg ggagatt 107

<210> 992  
<211> 184  
<212> DNA  
<213> Mus musculus

<400> 992  
aatggacaca gttttgtgca tatggaacat gaaaaggctg ttttactact gaagagcttc 60  
cagaacacag tagacctagt tattcaacag tgagctcact gtctaaatgt tttttataaa 120  
tagtgaagat atgtcaggcc agaactaatg tttaaaaata aatttataca tagaaacaaa 180  
aaaa 184

<210> 993  
<211> 162  
<212> DNA  
<213> Mus musculus

<400> 993  
gactgaggtt tctgaacttg ttcattggctg gattttttaa aaatatattc aagatttcct 60  
gttaccgaaa tgtaagttag aagataaaaa cctctatttg ttcattccat tttattctat 120  
tggnggatta aagtattgaa tttttagtga ttaaaaaaaaa aa 162

<210> 994  
 <211> 243  
 <212> DNA  
 <213> Mus musculus

<400> 994  
 aagtggatcc acacctacac tactgtgtag gctgacacct ggatggatgg tatatgaatg 60  
 ctatgaatca gagtcaccta gctaggccaa tcccagaacc cggaccgtct aaaaccacag 120  
 atgtttgttt tgtcttgaga ctgtgtaact caatttgtga attggtgctt agttcccttg 180  
 ccccttgagc ctcacacagg ctcgaactta atgcatgcag cagcatgcct gatatactca 240  
 tta 243

<210> 995  
 <211> 145  
 <212> DNA  
 <213> Mus musculus

<400> 995  
 ctggggttggg aattgaacac aatacttggc tgtaccttca gccctagacc cggcttcaga 60  
 ctccggctcc gcgattcatc agccttgtga ccttgcacaa atcatttgcc tttatgaaat 120  
 aagtctcaca tctgaaaaaa aaaaa 145

<210> 996  
 <211> 199  
 <212> DNA  
 <213> Mus musculus

<400> 996  
 tgacaactga gatatggaga nctgacannt ggggacattg ggggncacgc ngagctacgg 60  
 atacaatagt aatgtattcn ttcaagcctt tcancagaaa acaccngngn tggctgtgca 120  
 nngctgnctc tgntctgaat cgaanggata atggctactt cctgattaaa gccggtccac 180  
 cgtaagcaga aaaaaaaaa 199

<210> 997  
 <211> 237  
 <212> DNA  
 <213> Mus musculus

<400> 997  
 ggggattgca ctggatcact tttggggata tcatcactgg actggtttga cccactggct 60  
 gccaaagtga ctgctgctgc tgctgataca tgctgggtgt gttctagtgg actgctgctg 120  
 ctgctgatac atgctggngt tgctctagng gactggattg ctgacgatga anattggaat 180  
 aaccccaaag aactatttat aaacaggtn tacaacctgt tcctattaaa aaaaaa 237

<210> 998  
 <211> 440  
 <212> DNA  
 <213> Mus musculus

<400> 998  
 gactgagatg aagacatgca tttctgggtg cctcactgc aggaggtcaa agaggtgttc 60  
 aagcaagcct gggagcctac aaccccgccc tgtaccaca ggggcccttc cagcacagcg 120  
 caagggtgct tgagagtga ggcagcctgg attcacagga tcctccccag gaagtggcct 180  
 tggacattaa gttgaactac atctacaagt tcctgaccct gtgtctccta ntccggccag 240  
 tgtcctacac ggatgccagc atcttggatc tgatggagct gctgtgccgc gcaangcctg 300  
 gatgtaaggt tgtgcctgct gcccaanact gacctccagc aactnctgct cctgntgctg 360  
 gagagaatcc aacaatggcc tggaaaagct tcancccttt tnttgggcct taacttgggg 420  
 ggtgcgacca ccaccacaac 440

<210> 999  
 <211> 237  
 <212> DNA  
 <213> Mus musculus

<400> 999  
 ctgtagctgg tcattacatc tcccctttcc cgacattcct ctgaaggcgg actgtaaaga 60  
 ggaacatgaa attcttgagc cattccatcc agtgcggtga anttttnaaa aggcttggtc 120  
 ctgttcctct tcaccacaac ctgaatatct tctgagtttt atgggatttt ctgtgacagt 180  
 gaagtttang ttaagatggt aacactgtta ttaaaatagc tattacacaa aaaaaaa 237

<210> 1000  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<400> 1000  
 gactgagaca acacctgagg tgaaaactan acccagaagn gcggggcgtgc gcgtctcgaa 60  
 gtcagccata acaagcatct ggcttggtatt tggggagggg acgattctcg attcttcggt 120  
 caactctttg gagctcccct ctcaagcaaa ataaaccaat aggaatgagn gtttatttaa 180  
 aaaaaaaaaa 189

<210> 1001  
 <211> 348  
 <212> DNA  
 <213> Mus musculus

<400> 1001  
 gccattttaa gacactngtg agccctgggtg aaatcgaccg aacnctagan atgttgacat 60  
 ccaaagaaca ctgacgccng aacaaaggan aanagtgcct gcgatctttn aacctgtgtg 120  
 acgcaaaaat tccgacncgt ccaccggcct gtgaagtgcg cttgcgcgaa ctgggctacc 180  
 cantaaaact gngttggacc annngntcan aggntaaaaan nantgactac tctttgcgaa 240  
 nggctgagtt cagatcccng caancacatg gnggcttnna ncattcgnaa cganaacctt 300  
 tacnctnttc tnaggngnct gggaacagnt tcaactggact tacctata 348

<210> 1002  
 <211> 263  
 <212> DNA  
 <213> Mus musculus

<400> 1002  
 cagactgaga atttttnatt tgtccctgaa cgaacgctgc ctttctgcat cgttgggttg 60  
 caagtactgg cgtgaccttt gcttagattt ccagtttttg aagcagctgg accttagtag 120  
 tcgtcagcag gttactgatg aattattgga aaaaattgcc tccagaagtc agaataaat 180  
 tgagattaac atttctgatt ggngaaannt gacnaacagn ggnggggggtg tgctaacaatg 240  
 gaaaagtcct ggacttctta agt 263

<210> 1003  
 <211> 251  
 <212> DNA  
 <213> Mus musculus

<400> 1003  
 ttgaaacact gaggtggaat ganccttact tgttgactgg ntgctgatng gattcacttg 60  
 aaaactaacc tnananaacc tgnnngagng gaccagggct ttgnctcaag nagcagacgg 120  
 ncnctgtca ctccttcctc agcttctcga taccnccgcc gaaggctctc anggnctcga 180  
 gatgaacgnt atcggtcaga tgttcataca gaagctggcc aggcagctct tgctaaacac 240  
 aaagaaaaaa a 251

<210> 1004  
 <211> 326  
 <212> DNA  
 <213> Mus musculus

<400> 1004  
 atttggctgg cctgaaattt gctgctgtag accaagtngg cttcgtatta agagtaagag 60  
 acctttctac ttctgtctat ggagtgtggt gattaaagaa ganctgaccn tacacantaa 120  
 ccagnengag aaaagcctna aacaagngag ggtaaagcag tctanccac ggctgnanaa 180  
 nanagctnag angtcaaaaag cacctgctga tcttncanat gaccagagtc cagttcccag 240  
 catccanatc aggtttctta tancaggctg tancttcaac tatggaggga anccancatc 300  
 atgttttggc ctccacaggc atgcac 326

<210> 1005  
 <211> 485  
 <212> DNA  
 <213> Mus musculus

<400> 1005  
 tctgtctacc tatatccctg ctgcngtacc ngaggtagct tntggaggag ctgcagangt 60  
 agtccagtgt gctaccgaac tgagcttcac agaactgggc cttgggttctt acaccccggg 120  
 gggctctcatc cagaacctct tggaatatat tcatgtcgac ctgggcctgc cgtgggtggg 180  
 agccattgcc acagtgtant aggacntcct gggnnngggg ggaaganttg gggacaaaag 240  
 ngcagaggtn agaaaaccag gtgattcann angggatggt aacattcaac ttttatttcc 300  
 tagagagtgt tagaaagcca cttatctgcc cgcagtgcct gggagggtana ggaaggaggg 360  
 tcancgtnc aaccttaagta attaaagaat tcaaggctag cctcatacct taancactgn 420  
 tctggggggcc atgaanacat gccatgaten aagcancct ataatnaag gaaagcctat 480  
 ttact 485

<210> 1006  
 <211> 368  
 <212> DNA  
 <213> Mus musculus

<400> 1006  
 tgagtgcctt tccagatgca aaatcgagag cccttgacaa tattggcaga gtttttgcca 60  
 gagttgggaa attccagcaa gccattgaca cgtggggagga gaagatccct ctagccaaaa 120  
 ccaccctgga gaagacctgg ctcttccacg agattggccg ctgttacttg gagctggacc 180  
 aggcgtggca ggcccagagt tatggggaaa agtctcagca gtacgctgag gaggaagggg 240  
 acctcgagtg gcagctgaac gccagtgtcc tgggtggcga ggcccaaggn aaggtggggn 300  
 nctnanactc ccannccnaa ngntnnaca nagnnnnnnt gagannccat tnttaccata 360  
 acttgag 368

<210> 1007  
 <211> 309  
 <212> DNA  
 <213> Mus musculus

<400> 1007  
 gcttgccttc aaagatgctg ctgcaaaatt gaagaggacc attgaacacc ttaaaaaagg 60  
 caaagccnng cttcaantcn nttnnnntgca nacatgnang aaantaaact ggctagncta 120  
 gctggccaac ctttgtcacc acctcaacag ctctagcatt taagtgttaa tttctcccag 180  
 caacaggaca caaaagtaat tgagaatggc catgaacttc tcatcctcct gccttcaact 240  
 tccaggtgat acggattcta ggngtgcntc acaccctctg gctaataaat gagtttcctt 300  
 taattttaa 309

<210> 1008  
 <211> 115

<212> DNA  
<213> Mus musculus

<400> 1008

ccatctggac cgtacgagaa ggagacagca gagaggncac cagacatccc caacaggggc	60
agctnccagg cagagagccc ggctgtgant gccangnngc atgccatcgc tgcca	115

<210> 1009

<211> 132

<212> DNA

<213> Mus musculus

<400> 1009

cctgaggttg atcgtgtcct gagctgaaga tgttcccaga acacgcagaa agaggtaacg	60
atgctaccca ttcgtttatg gagagtctgg gctgaaaatc tgaaaataaa taataatcca	120
cagaaaaaaaa aa	132

<210> 1010

<211> 135

<212> DNA

<213> Mus musculus

<400> 1010

agctgcaaac aagcggangg actgtgcang gggccgaggt cgntctttct cctgcctttg	60
canctcaggg cttttcttct gtctctgtgg gaatgtttga atttccaatt aaaattggct	120
ttattaaaaa aaaaa	135

<210> 1011

<211> 178

<212> DNA

<213> Mus musculus

<400> 1011

tctagtgttc cagaaccgcc agacaatgaa agaaaagcaa gtttatcatg tttccaaaat	60
caaagagcaa tacaggaata tattgattta tcatctgata ctgaagatgt ttctccaaat	120
tgttccagta cagttcaaga gaaaaaattc agcaaagaca cagtgattat agtgtaag	178

<210> 1012

<211> 260

<212> DNA

<213> Mus musculus

<400> 1012

gaagagagga aacatngctc acgggcttca tctgnccaac tntagaagnt tattttcatc	60
atccatccat tgggtgccata cancttccaa ggctgtgaac tgccttggca ccaacatgaa	120
gatcatttgg gtaagactgt gnagaggact gattatntnt taattgaggt aagaatagat	180
gaccaaaaat accctatcaa ccatttaaat gtacatctca ggagcattaa ttatgttcat	240
tttgctgtac aaaaaaaaaa	260

<210> 1013

<211> 176

<212> DNA

<213> Mus musculus

<400> 1013

cttctgggac ctgtattgtg cggcaccana ccgcanggag gcctgtgaac actccagtga	60
ggccaaagtc ttccaggact atgtgagtct ccaggattct ggaacctgga ccgcttcttt	120
ttgctttgtt tgtatgtttt gagactggnt ctttgnngcc ttggatgtcc caggaa	176

<210> 1014  
 <211> 247  
 <212> DNA  
 <213> Mus musculus

<400> 1014  
 ttgacaccac tgaggcagac atgttggcta tttggcgatg agaagtttga agaactgaca 60  
 tcatactggt ttagaacact atgggacctg acattttgcg tgcttgggca gccagtgcc 120  
 attggtactg ctaagaagcc ctactctac tgcagaacac taatctgac ttggaagtgg 180  
 ctgattgtgg caggatgttt cgaagatgat gatggcaaga aagcaagatg tccgcataaa 240  
 aaaaaaa 247

<210> 1015  
 <211> 493  
 <212> DNA  
 <213> Mus musculus

<400> 1015  
 atcacccctca gtgtccttgt gattgccttg ctactttgct gtgtgactgc ttatcccaat 60  
 ggcaaagtac caatgtcctg tgggtgggatg atcccccaac ataaccacag cccacagtct 120  
 gagcctattc accaaatcac agtgagtcag acgacgttca aacctggaga ccagatcgaa 180  
 gttactttat caggaccacc atttagagggc tttcttttgg aagctcgtga tgctgagaat 240  
 ttgagcggcc ctctatttg ctcttctact ctgattgaca gcgaagagtc acagcttctg 300  
 acctgtaccg atgtacaggg attagctgtg agtcatacaa ggtcatccaa gaagacagaa 360  
 attaaagnct actgggatgc tccaagccct gcccagatc acatacgatt tctagctaca 420  
 agttgttcag anattaaaat ctacctgggg tgaagattcc gagtcctcgt cctctgctca 480  
 ctggggccttg att 493

<210> 1016  
 <211> 333  
 <212> DNA  
 <213> Mus musculus

<400> 1016  
 actgaggctt tactgtgaag gccaaagctgg tatggactta ctccgaagca ctgcctcagt 60  
 tcaagctctt gcttctcctg cctcagcctt aacaagtgtc atgctgacaa ccagacccta 120  
 ttaccacaag cttgaagaat caaggaaatt aagtacaaca gttttccctt acaggaaaac 180  
 atccaagact cacagcagag gactcctaac tataacagca ccaactgcta caaacactgc 240  
 ttttcctata tgttctgcag catggccaca gaggagaggc agcttttaca gtcttggcca 300  
 gcctggaact cactatgtaa atcaggctgg tct 333

<210> 1017  
 <211> 325  
 <212> DNA  
 <213> Mus musculus

<400> 1017  
 gattcacatc tgaatgcgct gcnggggatcc aggaatatct ngctaggatg taacaaagct 60  
 aaaaatcccc ccagaaccaa aactggcca cagcttaacc tgcattccagg tcggagacac 120  
 aaggactgga aactggcttc actcgataca ctggcctanc tccagggtct tcatggattc 180  
 ctccagcttc agcactcctg cgtgagaaac accaaacagg attaatgtgc atggaacagg 240  
 aggaaggccg catgattcac cagctcttta agcatgtttt tgtggacctc taattagaac 300  
 cagggctcca ctggaaaaaa aaaaa 325

<210> 1018  
 <211> 220  
 <212> DNA  
 <213> Mus musculus



<400> 1018  
gttggatctc ctggaaacat gaatcacaga aaggtgtgag ctgccattcg ggtcccagga 60  
actacagcca ggtcctctga aagagcagcc agngctctta accccaacca tctntncagc 120  
ctgagaagtg cgtgttctta tcatgagaag acaaacaagc aagtggagtt gcaaagctgc 180  
ctcaantggg taaaggnact tgctgccaaag gcttgcaagc 220

<210> 1019  
<211> 199  
<212> DNA  
<213> Mus musculus

<400> 1019  
aactgagatg tgcaacggag gaagagccca gtgtgtggtt tcgtagaccc ctctgcaggg 60  
gtctgaagca gatgagcacc ggaaacctga ggctgtcatc ctggagggtta attactggaa 120  
gcggcgcacg gaggtgggtga tgcgcgaata ccacaagtgg agaattctact acaaaaagcg 180  
gctccgtaag tccagcagg 199

<210> 1020  
<211> 271  
<212> DNA  
<213> Mus musculus

<400> 1020  
ccccatcaca gcttccttct gccaaacctt taaatctaac tgatgaatcc atgtttccca 60  
ttggaacata tttgttgtat gaatgtctcc caggatatat caagaggcag ttctctatca 120  
cctgcaaaca agactcaacc tggacgagtg ctgaagataa gtgtatacga aaacaatgta 180  
aaactccttc agatcctgag aatggccttg tacatgtaca cacaggcatt cagtttggtat 240  
cccgtattaa ttatacttgt aatcaagggt g 271

<210> 1021  
<211> 247  
<212> DNA  
<213> Mus musculus

<400> 1021  
ttactaatga cgccccagtc tgnacttgna cttaccacac tentactgca ncctacngaa 60  
tgctgggant gnaagnccct ggccctgnct ttgtctgctt tttgttgact gagttgactt 120  
aggcgtttac tccacagcag aagtgtggag attggggaca ataagtggaa ggcccctaag 180  
atggagctca gcttgtcaga cttggcagcc atcacttttg cctgctgaac catctcacca 240  
gccactt 247

<210> 1022  
<211> 203  
<212> DNA  
<213> Mus musculus

<400> 1022  
ctccgatgga ccaacgtggn cannatggat ctgtccaana aggncaaact gntggnncatt 60  
gcagggaccc tccnctact tgctgnaacc tgaggngagg ctggntatnt ngtgggtacgc 120  
cgtcaacatc actactgact tcttcaaccc actgtatgct ggaaccaagt atgaactggg 180  
ccccgccttc tacttgggct gga 203

<210> 1023  
<211> 283  
<212> DNA  
<213> Mus musculus

<400> 1023

acataagaca	tctgggctcg	cgngctaact	gnnagcacgc	aaaacgccnc	tgacagattg	60
cattcgctgt	aggaaactcg	tccggcgtgc	agctgaggaa	agaaacacct	tcgaaagaag	120
gatatctcca	aagaccaggc	tcccgcggcc	tgagtcgcag	acagtgatgc	caggagggag	180
gcaaaggaac	ttggaagcag	cggatcccga	cacaggcgcg	gcaccgggag	cagcccatc	240
attaccagc	ggctccttca	ccagctcctt	ctcgaagaaa	acg		283

<210> 1024  
 <211> 157  
 <212> DNA  
 <213> Mus musculus

<400> 1024						
atcccatctt	tgtgccccac	acanagcnca	nttttgaggc	cagnttnccc	caagctgngg	60
atgggtgtgg	catgcctgac	aatcaaaggg	caagggncctg	angggancct	ataaagngac	120
ttgggagaa	ccacacacct	gacttggagg	attctgg			157

<210> 1025  
 <211> 171  
 <212> DNA  
 <213> Mus musculus

<400> 1025						
gactgagacc	tctccagcat	caaccaaacc	cgactcgagn	tncacttctn	tggtaaaatg	60
gccatgcggc	anggaggncc	ngcntaccgc	cttnatgtnn	tccnacanc	tccnccacna	120
tgccaccag	accatnaata	taagagatat	tgtgcttga	ccatatgaca	c	171

<210> 1026  
 <211> 202  
 <212> DNA  
 <213> Mus musculus

<400> 1026						
ataacgaaaa	ctgtggttga	gaatatttgc	nngaaagata	gngntgaatn	atgtnaccnn	60
gacctggctc	catnctaga	cactggcact	actgnngagg	accgcctgaa	gatngatgtg	120
atcgactggc	tcgtagtgtg	acccggccaa	gatagcagga	agccctgagg	cgaangcanc	180
gccatcatga	ggaagttctt	ac				202

<210> 1027  
 <211> 249  
 <212> DNA  
 <213> Mus musculus

<400> 1027						
agactaagct	ggattcctga	ctgacccagg	aggctgcatg	catgctgtct	agagcctcgc	60
tcagnacagt	gctggcctca	tccccacacc	agccatcgtc	actctaattg	ntcctccttc	120
cagaaccaca	gnnttntcat	ctaggcaaga	atngngacaac	actcagcctc	gngaaaatct	180
ntgggtgctt	atggacctgt	cacacaaang	ggaatgagtg	ntgnttgata	gtacttgtat	240
ctcaacaat						249

<210> 1028  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 1028						
tcaactcctg	ctacacagtc	cttctattac	ctctgagcta	aaggatacct	tgnttcacaa	60
ataaaaagga	tagccaagga	aggcaaatat	aaaataaaaa	a		101

<210> 1029  
 <211> 262  
 <212> DNA  
 <213> Mus musculus

<400> 1029  
 gactgagggg gctgaacagt ccaaaatgat ccagggtgtat gcagttcaaa tccttgcccc 60  
 agtgagggaa tccctagggg agtgggtgat gggactagag tagatccact tcctccagtt 120  
 catncgcnc tntaaanaaat cacggagncc naggcacaa aagagnnagc tagcngcttg 180  
 cttaaataatt tcagcgatgt taggcgtnta tcttcacaag acccaccgna aggaaangag 240  
 cnggctttgt tttcatgatg at 262

<210> 1030  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 1030  
 gggactaagc cgaccttgaa tggattcgac tgactactac caagnngaac cgatcatgct 60  
 agcctttgna cacaaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 1031  
 <211> 176  
 <212> DNA  
 <213> Mus musculus

<400> 1031  
 aactgattc tgcaaagagg cctggactcg gaaaccaana aacagcttna agaggaggag 60  
 cgaggatga tcanagacga gcacnttncc ntcttgatg cttgnttgca gngangnaca 120  
 ccttcttccg agnngaacaa agcttcttcc tataatgaat cacactgtct ctacgg 176

<210> 1032  
 <211> 108  
 <212> DNA  
 <213> Mus musculus

<400> 1032  
 ccatttcact ttcaagcaga agatgagcag gattatatac gcgtaagtac tttcaaagtg 60  
 gcggtgcagt ggtttgaaat taaagcatta ttaagtacaa aaaaaaaaaa 108

<210> 1033  
 <211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 1033  
 aggatgacct tgaactcctg atcttcgtgc cctcacacct ncaagagata gaatnacaga 60  
 tgtgggcaac caagcccggc tttgtatacc tgaattggtc gggcgtgatc cgtctcgggtt 120  
 gggttcgggc gccctctgct gcctattgng acncggncca ccaagttacc caggcgggtg 180  
 aggtcggggc ggagctcttg agccatgact gagccgcagg agcagctgct gcaagctgca 240  
 gaaggacaac cgagatgggc cgcctgcgga agcaggagct agaagagctg gtgcgtgggc 300  
 tggaagccga gagccgaaga gcctcaccgg gccgcctgga ggagctgcgg gaagccgcga 360  
 agcgcagcct tgca 374

<210> 1034  
 <211> 307  
 <212> DNA  
 <213> Mus musculus

<400> 1034  
agactgagac aaggagactg acnngattgc atcntaccca tatanntana ctggctgacc 60  
ggggagtttc aagcatctgc ctgcctttgc gcactcaaaa gaatgccatc acccttgat 120  
tttgggaatc aaaccaagga catcatgctt gcaagggtgaa aattccttct gntgggttcc 180  
agagacacct gggaagactc tggggagccc ttggctaata atctcaggaa aactgctgcc 240  
ccggctgaaa ctggaagctc atgggtggacc caagatctct tatctctggg acacttaaaa 300  
aaaaaaa 307

<210> 1035  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 1035  
aaccgccgtt gaaaccctgn ganatcgaac atattanttt caagcagaag atgagcaggn 60  
antatatagc gtaagtactt tcaaagagcn cnggagccag taggtttgaa a 111

<210> 1036  
<211> 267  
<212> DNA  
<213> Mus musculus

<400> 1036  
atttcaaaaag atccctaagt ttgaaaatga gacaatgac cctgtactga cgtcaaagag 60  
agcaagttag ttancagtca gtgaggttgc aggccttttc caggctgac ttcagaatgg 120  
nttaaacaaa tctgaantta gtcataggca agccttccat ggctggaatg aatttgatat 180  
caagtgaana tgaaccatta tggaagaagt atatttctca gtttaaaaat ccccttatca 240  
tgctgctcct ggcgtctgcg ggcaaaa 267

<210> 1037  
<211> 290  
<212> DNA  
<213> Mus musculus

<400> 1037  
gggaccaatc tccgtgcaa atcctgntnt gnagactcga ctncacncc agggnacacc 60  
gggcgaaact gtaccacact ctggggccccg tccagcacct gggcttgcca aggtangga 120  
caacnctttt tattgtcaan accgtnnnta nanatgggca aannggggn cctcctcca 180  
tagaagcact cattttgcg ggtncctgnag aggggccctc cccaaaaang tnacgncccc 240  
ttgggggaaa agacaccctt tntntttttt tnttgaaaaa gggggggcca 290

<210> 1038  
<211> 428  
<212> DNA  
<213> Mus musculus

<400> 1038  
agagaaaccc gaagaacaca agacaaaaga gactgatggg gcacccagtg gccctggacc 60  
gcggaacag cctagtgcct tatgtgccaa gaggaagtaa agaaagccac cagaagccca 120  
cagagatcga cgagcaagat aaaagagaa aagcaccgt ttgctcttta tggctgggga 180  
gagagacaga tggacatggg aagccagaaa acacacaacg tctgcgcgtc agcctctgtg 240  
cacganattc atgaatcanc acttcgagcc aagaatagaa nacaggtgga gaaaaggaag 300  
ctggctgccc aaaggcagcg gncnnacttc gngggccgtg gaaaaaaacc agagggtaaa 360  
gccggcgtn tgccgaaaac ccatggctga caaaagtata tgcggngcta cttcaagcga 420  
gggcgtta 428

<210> 1039  
<211> 342

<212> DNA

<213> Mus musculus

<400> 1039

agggggcgct	ggcaatccgt	cagctggngt	cagtcattctt	gaaacagnat	gnggaaactc	60
actggtgtgc	ccaatcagga	naanttcaga	cctccggaaa	ctacaagaaa	gggcaaaaat	120
tgtcatccgg	gagctgttac	ccaatgggtt	aaaagaanca	ataagcnaag	ggcnctncag	180
tgnggcctat	gctgagtcen	ncattgcccc	ctgggattgg	nctgaagnct	ggccccagct	240
cttcaacctg	cttatggaaa	tgntggtnag	cgnaagactt	aaangctttc	catggagccc	300
atgcgtgggt	tgaccanaag	ttanctcgag	aaggggacag	ac		342

<210> 1040

<211> 443

<212> DNA

<213> Mus musculus

<400> 1040

ggcagagacc	gggcggaggc	cgtngcactn	cgnggggganc	tctnnagtgn	ttgnacagna	60
tggttggnaa	acttaaataa	cgtagggana	ggcgcagccc	agaacttccg	ttttcctgct	120
ggtccttcct	tctgaccagg	gccaaggctg	aaacctggct	gnctctgcca	ggtaatgcca	180
ctgctgctga	ttcgtgttgc	tatccaaact	ctatanaact	ggactgctgc	tgtatctgta	240
aagtgttggt	gagtggattg	agctgccact	gctggctctt	gtaaaactgaa	ctgttgattt	300
cctgacagtg	ccgatnaaat	ttgctacaaa	agaaccattt	ctnaataggg	ccactttccc	360
tggaatcctt	tntttcccgc	tacctttggn	aggttaaagg	ggtttaanaa	ccatcattaa	420
aaataagact	ttgaaaaaat	att				443

<210> 1041

<211> 259

<212> DNA

<213> Mus musculus

<400> 1041

cttcagtgtg	tgccaccggt	gggggaggca	cgagaagaac	ggggcactgg	gatacgatgg	60
ggaaagatca	agaacgcagc	acaccaagtt	tggaatggac	ttagcttcta	acctgctccc	120
tagctactga	catttttttc	atctcgggga	ggagataaca	gattagggga	gtgggacctt	180
ggagcaagat	cctaccagc	taaatttaga	tccagctgat	tttcagcccc	agctaatacag	240
ctcctgcttc	ctgaccttc					259

<210> 1042

<211> 139

<212> DNA

<213> Mus musculus

<400> 1042

cacttggtta	ctcagngaac	attgattcaa	ccaaatgaac	tgattcaagg	gagtgacttt	60
tgaaattgcc	tcttgctaata	gnaaccagaa	agtacagcat	cttggtatgga	gataccaaag	120
atcacaagat	ctttctttg					139

<210> 1043

<211> 378

<212> DNA

<213> Mus musculus

<400> 1043

acacatttaa	tcaaactagg	caccaaatag	ctgccattgc	ttcctggaga	gaggaaacct	60
aatgatcctt	ttacccaaag	aagaggcact	agacagacca	gcattgcac	ttttgtcacg	120
ctacaatcag	gaatggcaag	tggtggtaac	cagaagaaca	ttttctctct	caaagaaaat	180
cagaccaaca	aagaatgcaa	gagaaccag	ctagactgtt	tggtatgatg	cttgctctcg	240

cctttgggtca	cttcagctcc	agcagacatc	caggaagctg	ggcatcctcg	gtctccccag	300
atttcagggt	gccaggggtt	ggaaatgtcg	tctttgacta	tgatgtcttt	gacccagcct	360
ggtgtcctga	tggtatgca					378

<210> 1044  
 <211> 166  
 <212> DNA  
 <213> Mus musculus

<400> 1044						
gataggggtgg	ttcaccgcgg	agtgcacgt	gcgggttcac	gtctccaaaa	acaagtgtga	60
gtttgtcaag	agaccctga	acatcattga	cttactggca	atcacgccct	attacatctc	120
tgtgctaata	acagtgttta	caggcgagaa	ctctcaaaaa	aaaaaa		166

<210> 1045  
 <211> 219  
 <212> DNA  
 <213> Mus musculus

<400> 1045						
gggagctggg	acaaaaacaa	gtgcaccttg	aagctggagc	tggagctgga	gctggagctg	60
ganctggngc	tggagctgga	gagaagcaca	ggaagggccc	gaggactaca	gaccctccga	120
agacaggctg	ggcattgact	aatcanaggc	tggtagcctt	gtcccctaca	ctangccaac	180
gccacctgct	ttttggcgac	tttcttgacg	acataggca			219

<210> 1046  
 <211> 302  
 <212> DNA  
 <213> Mus musculus

<400> 1046						
actgagtgga	gctggcctga	actttggacc	ttgtcttcca	gtaggaaatc	agtctctcag	60
aaggcgatca	tggcctccaa	gcctgagaaa	aggggtggcct	cctctgtctt	catcacccctg	120
gcaccgccac	gccgagatgt	anccgtgagt	gaggaagtgg	gccaggcagc	ttgtgaagcc	180
agacgcgctc	ggnccctggga	gatgcttccc	acaaagacac	ctgggggctgc	agtgggcagg	240
agccccaaga	cctggacgcc	ctccggcaag	accaatgcct	cactctcttg	agtcacacct	300
ca						302

<210> 1047  
 <211> 209  
 <212> DNA  
 <213> Mus musculus

<400> 1047						
aaggaggaat	gagaactcat	tgacgtggtc	gataaacnag	aacatgaagc	tgtggacaga	60
aggtgctgat	tcccgtgaag	cagtttccca	aggtgaggcg	ggagctgnnc	nntnntgcta	120
cngancccac	nagcatagcg	caccctggca	ttantggccc	tggccttcac	acacttgaag	180
ctaattaaaa	cgtttgggga	atgaaaaaa				209

<210> 1048  
 <211> 337  
 <212> DNA  
 <213> Mus musculus

<400> 1048						
actgagatca	atcttctctg	tctgactcca	cctccgaacc	cctggacacg	acccacttag	60
actcctctcc	aggctggctc	tccattccca	gagcttgccct	ggatgtgctca	aagatatcca	120
catgttggtc	aagcaccttc	tgtcaagagg	aggccccgcc	ccccgcaaca	gtccccgccc	180

ctaaccactc cctctacccc ctggaactat acagtttcta gttcctttgc aggtccccgg	240
tcccacccat ccaaactctg cctgtccccc tcaccatagc acatgaactc tgtcacaata	300
taaatggggt cctccgacac caccgcaaaa aaaaaaa	337

<210> 1049  
 <211> 275  
 <212> DNA  
 <213> Mus musculus

<400> 1049	
acaacccccct ctatgtggat naaaacttca tcnatnnccc gctggcccaa cctgactggg	60
ctgccactga agtttggtat ggccgccttc cancaacnaa nggctttgaa ccatctagct	120
cttggacggt ggaggtggnna caanannccn ttgtcnagct ggtgccataa tgngaagact	180
gtgaagggttc natangacna cattgcatcc natganaccc acccatcatt ctaccnnagg	240
gtggngggaca tgtgccnagc ctcattttgc cattc	275

<210> 1050  
 <211> 244  
 <212> DNA  
 <213> Mus musculus

<400> 1050	
cctatgcggaa aaaggcctgg gaagactggg acagtgagcc tgcctaccag catgggtggc	60
ccttcctgaa ggtcaataaa gagtgtgaaa cgtgagcaga gnntgncnat annnancctc	120
ngcnntgatn ngcnngagan ttgggaacat gcacagatgn tngggaaata ctcataaggaa	180
agagagatnt gtatgggtaa agagctaaaa gaaagaacat catttttagtt aaaattaaat	240
cact	244

<210> 1051  
 <211> 251  
 <212> DNA  
 <213> Mus musculus

<400> 1051	
atcaaaaactc acctgacgcc aaaacacccc caaaanacct accanccatt cctgggggtca	60
ctanccctac canctgatta ncctcccatg caagccatcc annanccaac ntgcccacca	120
ncccgaaga taaacgntca antcgtatta aaaatcacaa ttttaaattgg acattttaatg	180
nacnccccgt agngacgcaa tgatncttct anggccccca aggcccttgg naaataaaaac	240
cttccacacc a	251

<210> 1052  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 1052	
attctactca agccttcttg aaaggactgt gttgcctttg atgcatggan caaagaattc	60
ttagattttt ctgccaaccc ctgaaaccgg accttgtgat ggcaa	105

<210> 1053  
 <211> 384  
 <212> DNA  
 <213> Mus musculus

<400> 1053	
actgaggggtc agtgaaatgg ctnagctaaa cctgagttca atcccaggac ctgcattgtg	60
gaaaaagaga accagcttcc acaagctgtc ttctgattgc tgcagacaca caatcaatca	120
atcaatcaat acattcaata ccattatttg tactattata ttatatttg acacaagggt	180



ttatgctgac	tcaggctgac	cttgaactct	tgattttcct	gcttcagctt	cccaatgctg	240
gaattagagg	tggtattagc	accactatgc	ttggtagag	tacatccttt	tgatcaatgt	300
ttgagaagct	catgttaatc	tttttccatt	ctgattggag	cacagcaggc	tcattggacca	360
gtgacaccca	gaaattgagc	tgcc				384

<210> 1054  
 <211> 395  
 <212> DNA  
 <213> Mus musculus

<400> 1054						
ctcagggacg	cagctcacta	ggaatctaca	gattaagccg	tgggaactcg	gtgaacacgg	60
gaccatgtgc	tttagatcct	acaggatggc	tctctcctgt	ttgagcagag	taaaaactta	120
caggaccctt	tggaagagat	tgtacagtac	ttcacaaaca	acagttgaca	gcagggaggt	180
caaaaacttc	caggccctgg	ctcacaccgt	ggtgggatga	gtaccggaaa	gtttgcgcct	240
cttcattcta	tgaatgacct	acgggtgcc	ttcattaaag	acaatttttt	gnaaacaaag	300
tgcttantca	ccatccanga	aagcctttat	ctgggatgaa	naatcttgac	cgttggctgt	360
ggcggggggt	tatttaactg	aacctcttct	aaaag			395

<210> 1055  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 1055						
aaagcctggg	cagaggccnt	aattncttct	nggggaactc	tcaaaggccn	nncaggntnn	60
aaganctgtt	tccattctgg	ggatcatgtc	ttctccatgn	tgtacctctt	aagttttcca	120
tgatgnctca	aagtaaaagc	tttaagaaaa	gaaaaa			156

<210> 1056  
 <211> 225  
 <212> DNA  
 <213> Mus musculus

<400> 1056						
tttcctaccc	cctgtctgtg	cccattgtct	ggggggccaga	gcctgggtct	actgtggaaa	60
gtgccagagc	tgacctgcta	ctctccaaga	gagactcaga	gcctgtgctg	gactcaggag	120
ccttccatgg	ccaggagagc	accctcagca	tcctgccagn	caggagacac	aaacctgtct	180
gtnagcaagt	ggaccacggn	tgtgccgagt	ttgcggacat	cctta		225

<210> 1057  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 1057						
gggtctacac	aataccctat	gtagcagaaa	ggccgatttc	ttacctattg	gagaacatct	60
gtctctaaat	aaaatctcaa	ttgttccaga	ggaaaaaaaa	aa		102

<210> 1058  
 <211> 129  
 <212> DNA  
 <213> Mus musculus

<400> 1058						
agatcacctg	agactgangt	tnttcacagn	tgtagctan	ccactgtctg	cgcactggga	60
accaaactg	catcttcttt	gaaaacacca	agtcagcttt	aatcctaaca	ctcaggaggc	120
agaggcagg						129

<210> 1059  
 <211> 275  
 <212> DNA  
 <213> Mus musculus

<400> 1059  
 tcgatcactg gcatgctgnc caaggctgcn tncatgagng atatcaatct cctttcgnac 60  
 tgntcaaata aaaatgggnc tcacctcagn cctatgtnac acgacctcac aaangtggtta 120  
 ancagctgga anaggactcg gggacctggg caggctcctc cctgcgacgg accttcagct 180  
 tncctcttggg catgaccggn agggacaana ctntttgctg ttttgaaaca aggnctccct 240  
 ntgtagctna gactccctcg gaactcacta tgatg 275

<210> 1060  
 <211> 231  
 <212> DNA  
 <213> Mus musculus

<400> 1060  
 actgagggttc aatgctacaa ctgangctga ntgtntctcaa gctacagtaa aagaaagtnc 60  
 agaatcagga gacccagctg ccctgggaaa tggcttcaaa ggcaccactt tccaacaagc 120  
 caccactcc ataattcaaa taagacagct caaaagatat gtttttattt tgggggaggg 180  
 ggagacatgc ataccatcc ctaataaact aaatgcttga aatacagaat a 231

<210> 1061  
 <211> 391  
 <212> DNA  
 <213> Mus musculus

<400> 1061  
 aactgaggct ggtgacatgg ctccctgata tccaggatga tatccaagtg gctacaatgg 60  
 gcgacatccc aggtttgtgc ccgaatgacg atgtgcctgc tcccctctac cagatcccga 120  
 gcatccaagg atgaccatcg aatgctcaag catggccatc acccatctcc ccacaagcct 180  
 caaggcaact ctgctgggtt gtaaattgct ggtctccgtg cttccagtga acttggacat 240  
 tcttctcatg gttgggtccag gagaggccaa agctgagggc accctgcctt ccacccccag 300  
 tccagcttga ccttttatct ggagcaacag tgtctagatg atgggtgggt gaggggtgct 360  
 atactgtctg tccctctggg aagggttcga t 391

<210> 1062  
 <211> 422  
 <212> DNA  
 <213> Mus musculus

<400> 1062  
 agactgatat ttctctgagt ggnggaggan cctcagcgca ctgaaggccc atggcgcccg 60  
 ggttggtttt tcctttcttn ttcatcttcc ttcttttnaa aaggcaacag aagagccttt 120  
 gccgactctg cgaaaagggtg tcacggaggg gccacccgc cctcccatag cgccggcacc 180  
 tgtccaggga cggcctcgtc gngccacagc canatggagt ntttcccgat nggggggggg 240  
 agggtnttct ccttcaagca attattttat ttttttatcg nttttaattt taatcatagg 300  
 gcacatatcc aaaaaaagta tttttaaaca caaaaaacc tgaaatgtat atttggatcg 360  
 ttttaaggca attgaaaacc ccacctcagg tatcccgctt tatatcgata gtcctcccc 420  
 cg 422

<210> 1063  
 <211> 347  
 <212> DNA  
 <213> Mus musculus

<400> 1063

taatatactc	tgatggaact	gntggcnttg	ntgcannent	tncanttnta	cntaattnac	60
ttgtacganc	tacancngat	tggaaanact	tnnntatnga	nncngancnt	tattttggat	120
nnctnnctct	gtgtgcnctg	agagctgcaa	tcctggattc	aggaaagttg	tcctggagag	180
caagcctacc	tggtgctttg	attgcactcc	ttgcccagat	aatgagattt	ccaatgaaac	240
aggtgaagga	caagtttctc	agaggatttt	ccattctttc	tacagtgtct	tcacaaaact	300
aagtaaaggg	aaaaaaattn	naccggggga	cccccttggc	cattacg		347

<210> 1064

<211> 405

<212> DNA

<213> Mus musculus

<400> 1064

cactgaggag	gcagaagcaa	atggaactct	acctagtgtg	aaagccagct	tccttgggtct	60
agacttccag	cccatccaag	actacataag	agatgtggcc	tcaaagaaag	aaaggagaac	120
gagttggaga	aaagctgtca	cgaccctcca	aatcaatat	atttacagct	tcctgagagg	180
acggcgatgc	taaagactgt	ggcatngggg	naannngtct	aaaaaagtgg	gnggcttgac	240
aacccttgc	cagaaccatc	attgnnaaca	ttggcaaggt	gtgtganctn	gaccgagaac	300
aacaccccc	ntgtgtgggtg	tgcccaggac	ccccaccagc	ttgnccttgc	tccattgggc	360
cgagttttga	aaaaggtatg	cnnccaatgg	accaacaaaa	acctt		405

<210> 1065

<211> 334

<212> DNA

<213> Mus musculus

<400> 1065

gaggaggact	tccggtttcn	cancacaccc	gtnttntntn	cagccgtggn	gctgnggctc	60
acagcaggcc	tgcgcgggcg	ggcgatntgt	gtacgccgaa	cactacatca	ccatcccggg	120
gggctgcnc	tgcgtgccc	aaccgggaca	aatccgtnga	cacgtgcgaa	ctccagcatg	180
gacaantga	tgctggggcc	cgncgacagg	cctgcggagc	cgcttangcc	ggggactgcc	240
cccatggacc	aanttactgn	atgcatcaag	gaccnnggcc	ctgaaaaacc	caccccatga	300
tcntgggncc	tgctaatttt	tcaaaaagga	aat			334

<210> 1066

<211> 344

<212> DNA

<213> Mus musculus

<400> 1066

gaagaactga	gtgtgagccc	tgataactga	gtgtgctnag	tgctgggtctg	ccatgctaag	60
cctgtctccc	aggaccagg	gacctgtccc	ttcagcttct	ttctcacacg	cagatgaaca	120
ctggacttca	gaaattgtga	aggttccgac	cgctgcagag	gggcttacat	tgggaatggc	180
ccctcttgcc	cctcacccat	tcaagagcat	ctccacactg	ttccaggacc	aatgtgtctc	240
attcccaagt	ggcaattagt	tgtctagaaa	ttcaacactt	ctctgtaacg	ttagactgtt	300
ttgttgtaaa	ttcttgcacc	tggtcttctg	ttgcacagtt	gggc		344

<210> 1067

<211> 808

<212> DNA

<213> Mus musculus

<400> 1067

gatccctgtg	ctcctgagcc	ttcatgtggg	atccaagatt	ctcctggacc	ctttgccacc	60
tgcccttcgt	ggctctggaa	gctcccggca	cctgttctgt	naacctgaaa	gctccctggg	120
gtcacctact	ccatccctga	aangatgcc	tgactaaat	tctggtcgaa	ctcccagcgc	180
ccacgagtgt	gtgcctgtgc	anagtcact	tgcggtgtg	agttgcccg	tgtgccaaaa	240
ngcgtttgac	ccgaagctga	cncagctaga	tgtggatagc	caccttgctc	actgcttggc	300

tgantgcanc	gaaaattggt	gtggtgagca	tcnggggtgcc	ttgctgtatc	tccttcaaac	360
ctacacancg	acattggatg	tggcttctga	nacatcgctg	tgtggacacc	tgaatnttgg	420
ctccntctgg	ttttgttcat	gggcattgga	cataatgctg	gtcactgaca	gcaggnaaca	480
ctgatcctct	gtggantcat	cttcattgtc	agcctgacag	gattggaatc	acccaggaaa	540
nacntctcag	gtgtgcctgt	naaaaccgtt	ccccnaaaaa	taactgggga	aanggaaatc	600
ccccctgaaa	tnttggtggc	nccttggnct	ggggtccnc	tgaattgaaa	aagggaaaaa	660
tggaaaaaat	tgaactgtt	tcnccccctg	ggggangtta	ataaaangcn	ccgccccncc	720
tgctnnnggg	anccataact	acttttggtn	acngtgcccc	cctgncccng	ggaaagtcc	780
ttnactgtna	aacccaaaaa	aatttttaa				808

<210> 1068  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 1068						
gactgagctc	aaggtggggg	ccaaagaccc	tgtgttaagc	actcatangt	caagctgggg	60
atacaacccc	taaaaacagc	acaccaccca	tgtttaacct	catgaagaaa	gataaggaca	120
aagatggcgg	gcngaaggag	aagaaggaaa	aaaaaa			156

<210> 1069  
 <211> 363  
 <212> DNA  
 <213> Mus musculus

<400> 1069						
tacaatgaag	tgtttttaatt	gcaaccctga	tctttccgag	cttgaagtgg	tgaagcctga	60
ggacagtggg	atagaagctt	cctacagtcc	cgtgtgtttg	gaaccttcct	gtaatgactg	120
tgttanaaac	catganagg	tgtntttcat	cgactcacca	attgngggac	atgataacaa	180
ggaaaatcaa	cgcgtacaaa	acacactana	tagttcaaac	gaaacagaan	agctagaggc	240
cagtaaactg	tatgaggaca	gnggntactc	atntttcaca	caaagggacc	gngacgatgg	300
catccttatc	ctggagaatt	tcaaaaacag	tccccaggcc	cgtntgntgg	cattaaaaaa	360
aaa						363

<210> 1070  
 <211> 151  
 <212> DNA  
 <213> Mus musculus

<400> 1070						
aactgagatc	cgtccagaaa	gtgcccagaa	gaaacttcct	cttagaaaag	ctgaaaacac	60
agtatttata	acactggaaa	ttgtaaagaa	tttgtttaaa	atggctgaaa	acaatagtaa	120
aaatgtagat	gtatggccta	aaacaaaaaa	a			151

<210> 1071  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 1071						
actgagataa	tatttgatga	tgagtgancc	gngtcctcaa	gaangccagt	nncactgnan	60
agagaggaaa	gancaccagg	ggccacttat	gcnnataaac	tgncaggacg	ngtccttnaa	120
gttntggaan	agagnctcc	agtgcatttc	accatcatct	tcacaggatg	gaagctatca	180
gtttgnccta	tggtttat	tctaggaacc	caagctactt	tcataatgaa	aaaacagaga	240
tggaaaagac	ggtgtctgac	tgctggacaa	gtagttacca	ggngngacta	aagaatatcc	300
tgngntaca	tccattcggn	ngacatggtt	ccatgtaggc	agactttntt	ntctanagct	360
tttggaaaaa	aggaaacctc	atttcaggac				390

<210> 1072  
 <211> 491  
 <212> DNA  
 <213> Mus musculus

<400> 1072  
 actgaggtgt tgccatggtg atggctgtgg aagacagcgt gggtcgggtg gtcgtgcggg 60  
 tgaggcctcc caccctaag gagctagaga gtcagcggcg gcctgtgatt caggtggtan 120  
 acgagcggat gctgggtattt gaccccgagg agtgtgatgg gggatttcct ggcctaaaat 180  
 ggagtgggtc ccacaatggc cccaagaaga agggcaaaga cctgacattt gtctttgacc 240  
 gtgtcttttg tgagatggcc actcaggagg atgtgttcca gcacaccaca cacaacatcc 300  
 tcgacagctt tctccagggc tacaactgct cagtgtttgc ctatggcgcc accggggctg 360  
 ggaagacaca cactatgctt gggaagggan ggagagcccg gcattattgt acctgaccac 420  
 catggaactg tacaggcgtn tggaagcccc caggaaaaaa agcaattcga ggngctcatc 480  
 aagttacctg g 491

<210> 1073  
 <211> 488  
 <212> DNA  
 <213> Mus musculus

<400> 1073  
 acggcaggggt atgtctgtgc tgagtctctg gagccagatt tctgctgcgn ggtctcacag 60  
 nggcgggtaa acccaagcct cttccgggtcc ctaggaaagc gatgcaggct ggatgtcaag 120  
 gattcctttg accaagcttt gctgacctct aggcccgacc agggtttgca ggatccacag 180  
 ccattgtttc ttccaagccc cccatactgg gagaagccag ctttggcctg acttccacca 240  
 ccaccatttn tgccccacan aaggttccta gtcaggaaaa cctacaacca caggacacac 300  
 ctgtgtgttc cacagntctg ccttcttcca caccagcaa aaaattccct tcctgggagg 360  
 aaaccagtag gngacacaaa cacttatgca ctttctccct aatttctggg ganaattgag 420  
 cccttggtct gggtacctgn aatgggttata aaccaaataa aatgggttctc aagagttaaa 480  
 aaaaaaaaa 488

<210> 1074  
 <211> 407  
 <212> DNA  
 <213> Mus musculus

<400> 1074  
 tgaggaagaa gttttggtat gaaggtcctt ccctgggggtc tcacttgacc cccaggccat 60  
 ccaagcatga gttcctcacg aagaccacct caaagaagac taggaaggaa gacagcatcc 120  
 gcctgaggggt cctgaacggc cttctctaca aatcattgac ggaactgctg tgactcctc 180  
 aagtgaacca ggaggtctac gacctgaatg tggagctgtc caaggtctct gtgacttcaa 240  
 acttctcagc ctgccgagtg tactggaana cgggggtctc tgcggagcaa aacaagcaca 300  
 cggagtcggg gctgcanagg agccgctgcc tacataaggc atcttctgat atctcaacaa 360  
 accctgaaaa atgttccacc catagtgttt gttcaagaca aaaaaaa 407

<210> 1075  
 <211> 170  
 <212> DNA  
 <213> Mus musculus

<400> 1075  
 gcggatggcc atacttacat gtgtgggttg aatctgccag nanaaaangc taaaccacat 60  
 gatgtacnna ttaacatcnn atcataccta cgagtgcac caantacaat aancaccggc 120  
 agccgcaaaa atccctgact tccccctcn atnacacaaa attaaaaaaa 170

<210> 1076  
 <211> 233

<212> DNA

<213> Mus musculus

<400> 1076

agactgagga	gcctgagggg	ttcanacgga	ggccttgaat	ctcctggagc	tgaactgcct	60
gacatgaatt	ctgggaagtg	aatttaggtc	ttccanaaga	gcagtatgca	ctcttaacca	120
ctgagctact	catttttggt	gcaggcgcct	gcaatgaggc	atccgctgct	tctgggtgctt	180
ttcagcgact	ggactaggtt	tctcctcgtc	ctttccctcc	tgaaaaaaaa	aaa	233

<210> 1077

<211> 511

<212> DNA

<213> Mus musculus

<400> 1077

cagacataat	tgttttgtct	gataatgagg	cctccagtcc	ccgatccagc	tcccggatgg	60
aagagagact	caaagcagcc	aacctagaga	tgtttaaggg	gaaaggcatg	gaggagcggc	120
ancagcttat	caagcnactg	agggacnagc	tacaattgga	aaaagctcgc	ctgggtgctgc	180
taaanaaact	gagacagagt	cagctacana	aagagaatgt	gggccaaaag	actccagttg	240
tacagaatgc	agcatctatt	gttcagccat	ctcctgcaca	tgtgggacaa	caaggcttat	300
ctaagcttcc	ctcccgaccc	ggggctcaag	gaattgaacc	tcaaaatatg	agaacattac	360
agggtcacag	tgtcatccgt	tcaagcaacc	aacaccaccc	ttccacacat	gttgatgtct	420
caacgtgtta	ttgccc aaat	ccaacccaac	tttanggcc	gcgggggtcca	ccgaaacctg	480
ncattgtacg	caccacacac	ctaacatgaa	t			511

<210> 1078

<211> 209

<212> DNA

<213> Mus musculus

<400> 1078

tctctaccct	ccagagctct	cttgagtgc	gaggcttcgg	nctgacttgc	agccgctgna	60
nagataacgc	ctgagtcctg	aattgcttta	cctattgcan	gttaaaagnc	tacagttcaa	120
acaaaaaccc	tgactgtctg	agaagcagca	tcaatctgca	gaagcggcct	ctggagttat	180
acacagataa	ggacacagga	tgaaagacg				209

<210> 1079

<211> 471

<212> DNA

<213> Mus musculus

<400> 1079

caccctcag	atctgtcttc	aaaaggcttg	ttcaagtgcc	aggagtggcg	gagcacgttt	60
gtgateccag	cctttgggag	gtggaaacag	aaggatcgga	agttcaaggc	cctcctcagc	120
tattatagca	ggcagtacat	tccgtgttca	ccgtgtgcca	gctgacggnt	ttcaggtgag	180
ttgttggtc	attggccaca	cgtcactctg	agccaggnga	tgtgggtcatc	tccatttcat	240
ggatgcacgc	tgcaaaccct	gtgttctttg	ggaanacaat	gtaagcctga	ggggaagtct	300
antaaggcaa	naggctaggg	gtgaggaagg	gctgaaanag	ggaactgaga	tccattcgaa	360
actgccatgc	aaactataaa	gtatcctgng	tgngtcttta	cacgtgccta	atggngcttc	420
attananaca	actgggtttc	gcactgccac	ttaacattgc	aaagtcactt	g	471

<210> 1080

<211> 332

<212> DNA

<213> Mus musculus

<400> 1080

aactgaggaa	tcagagactc	agccaattgg	atgtccgaag	actcgggagc	agggagggaa	60
------------	------------	------------	------------	------------	------------	----

gcgaaggang	ggcngaagat	gntnacancg	cngncngnngn	atggnnctngg	aggnccccgc	120
tcctcncctt	ctataatctg	gcggnnctta	antgnatnac	caatnnnatc	gggcctacct	180
nccgagctga	ccaatgggag	ccggaagcgt	tggccaggcg	tgagggctcg	gaggcggcgt	240
atggcggacg	cggtgctatt	cgagtttctg	cacaccgaga	tggtggcgga	gctgtggggc	300
ccggaccccg	accagggctc	ggggggggagc	gg			332

<210> 1081  
 <211> 160  
 <212> DNA  
 <213> Mus musculus

<400> 1081						
aagaactggt	accagaantc	gtgcaccttc	agtccgaagg	ttacctctgc	ctccgcggcg	60
tcaactgccc	ccctctcctg	accggaactt	gcccggtctg	caaatccaga	gatttttgaag	120
agttntganc	caccactgct	nagctacaaa	aacaaaacaa			160

<210> 1082  
 <211> 435  
 <212> DNA  
 <213> Mus musculus

<400> 1082						
cgtctacgct	cctctntana	ctgaggtaca	gttaaagaat	ctggtgcaaa	acacaaggga	60
cttattgaaa	tacccagcct	ttctgaagaa	aacgaaatca	atgacactga	ggtgaacgtg	120
agtgaaga	aaggagatgg	ggaaatactg	aaggatctca	tgagaacgac	aggcaccgcc	180
aaggncaggg	aggcccttgg	agagtacctg	aaggcactca	agacggaatt	tacaacagga	240
atgatnctta	ccaacaaaag	ctgtagcaac	ccaaggaact	tgactcttca	ccagggaac	300
tgagatgaaa	acaaagcntg	caggctttct	tcccaggagg	tcactggggg	ggtgaaggga	360
ttcccacagg	nagccttttg	gnacctttgn	ancannaagn	ttggttttgn	ccaccggacc	420
agtcaggaaa	cccag					435

<210> 1083  
 <211> 210  
 <212> DNA  
 <213> Mus musculus

<400> 1083						
tgggcagagg	ccataactac	ttcttgggga	acnctcaaag	gncggacagg	aancatggct	60
ggcatccata	tatcgtactg	cctcgatcag	agaagatcct	atactttcta	ganaatagga	120
acntccgaat	anagaacctt	gcagaaagct	cagacgntct	nacgtncnga	ggaagcgang	180
ttgaggtgcg	tgggacaaaa	gaggagagaa				210

<210> 1084  
 <211> 322  
 <212> DNA  
 <213> Mus musculus

<400> 1084						
cgtggtgact	attccacttt	catttggaaa	gaacacgcat	cctgctggct	ggaatgcggc	60
tatatcatca	atcaactctg	ctcatccagt	tacatccctc	gggtcatctc	tgcccttagc	120
tagcccatag	gnnggctcgt	tttacatcta	gaagaggaga	ggaacctcaa	ctngangaaa	180
aatgcctctg	taaagatcaa	gagctagtca	tgccaaagcc	cgngtnaggg	catcttatta	240
natntacttg	gaatagatta	ngngggggag	agggcccttg	ccccattgan	ttgngnttgg	300
tngccatttc	ccttagagct	ag				322

<210> 1085  
 <211> 109  
 <212> DNA



<213> Mus musculus

<400> 1085

atgaactgag	acattgtctc	atgtagttcc	ttctgtggac	gtttggagtc	aagaagtcaa	60
tcgttctgat	aactacagat	tggattccta	aaggtgcaag	aaaaaaaaa		109

<210> 1086

<211> 279

<212> DNA

<213> Mus musculus

<400> 1086

gaatgtcagc	gggacatccc	tgagcagcac	cgcagcgcac	atgtgcacag	atgaggcagg	60
aggacggcag	gtggagtaag	ctctctgatg	atgtcactca	taaaaagcaa	gccacgagcc	120
aggttggcga	catagctcaa	ggggtanagt	gctcacggag	gagccgcagc	gaaaaccctg	180
ggttcttcca	tgcccagcac	cgtataatcc	aggtcctgtg	ttnaaatccc	anaaaccaca	240
tgggggntca	caaccctttg	taacgagatc	tgactccct			279

<210> 1087

<211> 471

<212> DNA

<213> Mus musculus

<400> 1087

ggactattga	gcaagcgttt	aagccccag	ttctgagcca	tggcctctgc	agtcctcagc	60
tctgtgctca	caactgcctc	tcgctttgcc	ctgctacaag	tggacagcgg	cagtggctct	120
gattccgagc	ctgggaaagg	caaaggccgg	agtaatggga	agtctcaaac	tctgggaaac	180
aaagcaacct	caaatgagaa	gaaacgggag	aagagaagaa	aaaagaagga	acngcggcan	240
agtgaagcaa	acgagctcag	gaatcttgct	ttcaagaaaa	ttccccagaa	atcctcccat	300
tccatttgca	atgttcaaca	tgagctttca	tcgccnaacc	cnacncaaaa	aggngtcccg	360
ggaanaaaac	tggcaagaag	nggggacccg	aangatgaac	cgctgacctc	tgaaatgttt	420
gaaactgacc	ttgaaaaagc	gttgctgttg	aataaactgg	agtatgaaac	c	471

<210> 1088

<211> 283

<212> DNA

<213> Mus musculus

<400> 1088

gactgagaga	caaagccctg	aagagtctgn	aaatgagtcc	gcattcttta	gtcatgagct	60
ataaccctga	gttttggcac	agacctgatg	gcttgagcct	gctgatgtcc	agtgttctgg	120
aaatccagtg	cccatagatg	tggactaagg	aagagcccg	ccatggtcac	tctcatcaca	180
gagaagctgc	agaaccagag	tttgatgac	ctcaccgcga	gggcctgtga	ggctggcccg	240
tattntgctg	agaanctgaa	caaaagnggc	catttgttcc	ctt		283

<210> 1089

<211> 369

<212> DNA

<213> Mus musculus

<400> 1089

actcgaggga	cacatgcctg	tgtctcacia	nntgctnccc	tgcctctact	ntgtgaattt	60
nccaaactct	ntaactctga	ttcatcttaa	ttcactcttc	cctgtagntt	gtgtgtaaag	120
agcccttaaa	gcaatatggt	ggagggtann	agntgagagc	cngtggcnng	canngcctaa	180
acttgggtaca	ncaaaggaaa	tttcnaggga	cttgntnctg	antctgggag	acacaggcga	240
tccatcctct	cccctatttc	taangaaaca	gtataacttt	gggaaatgga	tgattccatg	300
tttaagaggc	ctggnattgt	atacttggca	tttctgattt	cagttctaaa	attctgtccc	360
ttcgtcata						369

<210> 1090  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 1090  
 tgcaatgcgg gcacccttcc catgntgaaa ggaatccttt gtcactcacc angtgaaatga 60  
 gactatactg atgggcctng cctgtaaaag gaacaatatt tttctttctt tttttcatgc 120  
 cagggttatta aagatatagt gaactgaaag ttcaaaaaaa aaaa 164

<210> 1091  
 <211> 384  
 <212> DNA  
 <213> Mus musculus

<400> 1091  
 ggctgtctct gccaggaagt cacgctgaac aaacaggtga acttcancaa acagaccatc 60  
 gcggggntct nnaataaac ttttncaaga cnttnnnntg tagnnncaca nnaacagaat 120  
 gagaccctgn ccccgctgga gggngagatc actcagctgn ccaaactcag cggccagatc 180  
 caggagacag ctcaagaagcc ggacctagac ttctccagg agttcaaaaag cacactgagc 240  
 aagtgcagca gcgtgcccag ctccaagcca accacagnct catctgagat gaagaataaa 300  
 gtgtggaatg tttccctcaa gagtttcgtc ttaaaaggat tgctgaagaa gttcaaagag 360  
 gatctccagg gagagctgga gaaa 384

<210> 1092  
 <211> 368  
 <212> DNA  
 <213> Mus musculus

<400> 1092  
 actgagaaac gggcgtgcag gaggtcagaa ccagggtggat atgaagtgcg gcggccacat 60  
 gctaaccacc tgtgccctgc tgtcctggag cacagaggac caggagccca ggccacgagg 120  
 cctgcctgca tcacaaccag actgtagcca ggagaggctg agctcaatgg ttctgcagaa 180  
 cgggtggaagg agttcggccc agccttgcct gaggtgtatc tcgggggagc ctggncattn 240  
 taatcntacc naccatcatt ataagannca tatggnnctg nngaaatggc taacgggcnt 300  
 aaaangenta ctganctttc taaaggncn atgtnanaaa ccactaccaa cctgggggggt 360  
 ttccacac 368

<210> 1093  
 <211> 338  
 <212> DNA  
 <213> Mus musculus

<400> 1093  
 gcagccgact gtgaagaaga aaaagaagat ggattttactg aaacncatgc aggaagagcc 60  
 actttncgag gnggagccnt gtnccagnac nncatntcct agnccngaga anaagaagaa 120  
 cangaaaang aagagggngg cnttgnacta atgaaaagga accatngccc tgncccnan 180  
 cncatnntgc ttacgattna nttgggagca nagnncatca gatgctctca tattatcccg 240  
 ggaggttgaa tatctaactt ttcaagcctt tttgtgtctt gacatcaact gttgacctta 300  
 gtcttttgata cacaaataaa atattttctt tgtattat 338

<210> 1094  
 <211> 373  
 <212> DNA  
 <213> Mus musculus

<400> 1094  
 gtggaactct cacaaggtnt ggacaggaac catggctagg atccatatat ntactgcctc 60

gatcgactaa	netctttatac	tttctaaaga	anaggacctt	ncgaatcgga	actttcaaaa	120
gctcgacctg	nacgtcttct	aaagagagag	ggctggataa	anggaggnnn	gnggcngggn	180
naancnaggn	ngtcacacac	tnanncanna	anccctccta	anggagnttt	ccaccatntc	240
ctgaggctgc	actgcctgag	agccactgac	tgccttacct	atgaggctcc	tgggctggag	300
ggcgagcaca	aggagtgggg	actgacttca	aggttggaga	gaagcgcana	cccnaggct	360
cgtggtgaaa	gcc					373

<210> 1095  
 <211> 141  
 <212> DNA  
 <213> Mus musculus

<400> 1095						
tggttaatgga	tatacagatc	cttctgcgga	ggaattgaga	aatctaata	tggtgcatgg	60
aggtaataac	catgtgtatt	attctagatc	caaaacaaca	cacattattg	ctacaaatct	120
tcctaatagcc	aaaaaaaaaa	a				141

<210> 1096  
 <211> 279  
 <212> DNA  
 <213> Mus musculus

<400> 1096						
gttttgcctg	gataacgaca	ngaagatggt	ggcaggatcc	cccgggaagt	atgttacaag	60
gcactcacct	gncactgnca	agggcngggc	aggccatcct	tccgagccca	tgggagccgg	120
gaccactaag	actgctgggt	ggaanaagtt	gggtgctggg	ctgatgggct	ngctttctnt	180
tggnettcgn	ttgtaatgng	gctggcccat	gttggtttta	tgtttaatgc	tgcgcttata	240
ntaanaaaga	gcccccccaa	gctgtacatt	tataaaaag			279

<210> 1097  
 <211> 300  
 <212> DNA  
 <213> Mus musculus

<400> 1097						
agaggatcatg	aagcangggg	gcccctcncc	ccnccccctt	gnnggganng	gntgattact	60
ttcctnaaaa	anaccacngg	ngggaccgac	ctttggccac	tcacaggag	gnggaagcac	120
ttgctatctc	attccctaag	gaccaatcan	tttaaaagtc	tcactgtttt	gccaatcaca	180
tngggcctan	actctggggc	ttnatccgc	tcctggaaac	tgtnaaaaaa	ctcatnanng	240
ggccgccttt	cnttnggggg	caggacaccc	ccagcgtgct	ggaacaaaaa	attccttttg	300

<210> 1098  
 <211> 152  
 <212> DNA  
 <213> Mus musculus

<400> 1098						
tccttcacaa	aaaaatctct	acanggatgt	gatgctggac	acctacagga	acctcactgc	60
tataggttat	aatgnggana	gaccatattt	attgaaacaa	cattgtcaaa	gttncanaaa	120
cacntgggga	ggcttttttt	catgtcccaa	gt			152

<210> 1099  
 <211> 284  
 <212> DNA  
 <213> Mus musculus

<400> 1099						
gggggccaag	cacatcacia	cacctgggtg	ggtgttcggt	ttttctccaa	agcttctggc	60

tgnnctccgc	caaaaactgn	aggtgctggg	tcaggaaaac	tgccttgtgc	aagcttactg	120
gggaggcanc	acctcgaaaa	caagctgcaa	acanacggca	gccaggccag	ccgntttttc	180
aaccagggaa	aaantanagc	cngttttttt	cctgcaactt	atcaagtcnt	tcaaaaaaag	240
agganccaaa	angaggggat	gaggnccatt	tgaaaataaa	aaaa		284

<210> 1100  
 <211> 302  
 <212> DNA  
 <213> Mus musculus

<400> 1100						
caaagtatcg	cctcctgtac	tggagctgtc	ctgacatcac	taatggggaa	aatttatgat	60
cccggggccaa	attatgtanc	ttngattatt	ctatcaaagt	tttattatnc	tggnanaaaa	120
gtgatgnana	ttttgagggg	gtggcggcgg	agggatccct	ccncattgc	acaanaannc	180
atngtttcgg	ttatttgnag	nnaccggggn	gcattganng	aaaaccccgg	gcctatgntn	240
ntaaaacat	ttttcttcac	aaaaagaggg	acaanaaagn	nccccttggg	atcgggcccc	300
cc						302

<210> 1101  
 <211> 334  
 <212> DNA  
 <213> Mus musculus

<400> 1101						
aacatgtgcg	ccgttcnctg	ccagagctgg	cccancacan	ggctgacatg	ccagagatgg	60
gaagagcana	gccagggccg	ntatatacac	cnggggagcc	cccttgcant	gcttganaaa	120
acttgggagg	acaacaagng	ggtncctttc	gtaagnagag	aaagccttgn	tnaaacaggc	180
catnattttc	cgggaccaca	ntgaacccca	ttgcccacaa	gcccacaagg	cangcaatng	240
cngcccgcnc	ttncctcntt	gtaaccaang	gagggaaacc	tggngnggtt	tttgggtttc	300
cgggcccatt	tttttttttt	ccaccttttg	gttg			334

<210> 1102  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 1102						
ggggagccgt	ctccgtcttc	ntccctccnn	cacaatgaga	gttaatngtt	gnngntggcg	60
acnccctcag	cctgaengtg	nattgatccc	ntctttgaca	gntggacttt	caaagacct	120
atttcaaattg	aaggtggg					138

<210> 1103  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 1103						
tatgcaccca	gggggggacg	atgaaanaaa	tctatnnnga	nctctncaan	aacaccngtg	60
ggagcacaat	agctganatt	cgaaggcttg	nggattgana	ttgaaaaact	tgaggtggc	120
ttgcaccaac	aggaacttgn	tgagatgaaa	gcacaacctg	ggagttaacc	atggcccgan	180
atgcggnaaa	ncctgnaaac	aggancggna	tttggttcat	cgccgagggg	aaagaaaca	239

<210> 1104  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 1104

tttttttttc	caagaattta	aggctcctga	catattcatg	gaagtgcctgc	caaatccccg	60
ggccccgat	taaaaaaaaat	ctggggggga	attttaggga	atatggntng	tttccggnaa	120
atatgcgagt	ccatca					136

<210> 1105  
 <211> 256  
 <212> DNA  
 <213> Mus musculus

<400> 1105						
aaagacatcc	tgaaancttc	tccagnaaag	agcccaggca	cacggcctga	atatgaggcn	60
ggcggaacc	cccttcatag	ggaaaagggtg	gcccancan	ancaactttg	tgctgnctgt	120
ggccgnagng	cttcggtggn	tttggncaac	gtcggnggtt	tcccgtccct	tntgntanaa	180
aaagggggga	ggggcgtncc	tcaatnccgt	atttttattt	tcttnttggg	ngagccngcc	240
ccgcctgtgt	tttttt					256

<210> 1106  
 <211> 297  
 <212> DNA  
 <213> Mus musculus

<400> 1106						
gcaagaaagg	ccttcctgcc	gagcagggtg	cgggcttgat	ctccnacnct	gggtnttagn	60
gngganaang	ccnctttntt	ttctgaaaag	nggaagcaaa	acgcctcccn	cttgacacagg	120
ggggccatgg	gtaaacccct	tggtgggttac	cacctgattg	aatggggggg	gggtttgnaa	180
tgacnntctg	gnaccaattg	aattaaaaaa	ngggggaagc	ntttttttnc	agttaaagtn	240
gggggggttaa	aaanggaanc	caaccctgaa	aatttggttt	taaaactaac	cttgccc	297

<210> 1107  
 <211> 282  
 <212> DNA  
 <213> Mus musculus

<400> 1107						
aaaatgtgct	atggaggcta	aagaatggna	cttcttaaag	aaaatatattg	ctttntgcaa	60
ncgacggagt	cagtnaaanc	anccagtngc	aaaaagggtt	caccagggtc	gncttacgng	120
ggggaataaa	aaacctgcca	ntcaagctgc	aatggattga	nctctgcggg	nggttncaaa	180
nggaaanatt	ttgttgaaat	tgagcgtgct	cggctgacta	aacccttanc	nctattaaaa	240
gancaaaaagg	gcgattgtga	aaaaggctgc	ctcctccttc	aa		282

<210> 1108  
 <211> 231  
 <212> DNA  
 <213> Mus musculus

<400> 1108						
attttctttt	acttcggtat	ttcctntntt	tattntnttt	ttttctntc	cntggtentc	60
ttntnttgn	atctnnnnt	ttttantcag	tattganaan	acagccacgg	ctgtggccca	120
ctgcaaacgg	ggtaaatggg	ctcatcaagg	tgaacggacg	tcccctggag	atgatcgagc	180
cgcgacagct	gcagtacaag	ttactggagc	ctgttttgct	tctgggcttt	t	231

<210> 1109  
 <211> 142  
 <212> DNA  
 <213> Mus musculus

<400> 1109						
ggaaggggaag	gttctctcaa	cctgctcgct	gctcctatga	gatgcctgtg	gagttctgag	60

tctgtgtggc taaaaccatg aagttctgat taccgaaaca gtgctggctt gatggaagat	120
ctgtctggag aggttatata ta	142

<210> 1110  
 <211> 429  
 <212> DNA  
 <213> Mus musculus

<400> 1110						
agactgaggt	tttgtggagt	cggagctgaa	gaagattctg	tcagtgcaac	gagaggctcg	60
cctctggaag	gtgggcaacc	ccgagggccg	ggagctgctg	acccagccag	acatcacact	120
ggaggaggct	ggcatggtgg	acggccagca	cctgctcctg	gaggagatgg	acgagatggg	180
aaactggccc	cctccagatt	gaggcccgctg	ccggcaggag	cccaccgtgc	ccacactcct	240
gggaccccag	tctggcgtgt	gcctcttctt	gggacacatg	caaggagtcc	ctgaggccct	300
gngttttggg	atgaagtaac	atcctgtgtg	tgtgcgggtg	gcctgcctgg	cacttgtccc	360
taccccgctca	gactcctgca	gatgacgtta	ttaataaaaa	gcttagtttt	gacatttcaa	420
aaaaaaaa						429

<210> 1111  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 1111						
atggagtatg	ccttgtnttg	ccagaccanc	ccctattatt	gcatttgttg	accctgtngt	60
gnnanannnc	ttntatgca	tcctgnncaa	ntctttnaag	gggcanagc	cggcgcctaa	120
ctcgggggtcc	atcacttggc	tcantggatg	accactttgc	caaaacactt	aggtgacaca	180
ttggccttag	atcaaaagca	cccaaga				207

<210> 1112  
 <211> 147  
 <212> DNA  
 <213> Mus musculus

<400> 1112						
gtatcctggt	ttatatTTTT	gtctttgacc	cgttnggact	tgagtTTTTgt	gcagaggaat	60
aantanggat	ctatttggat	nccttctacat	tctgacatcc	agtttgacca	tcaccatttg	120
ctgaaagaag	cgtgcctttt	tttccag				147

<210> 1113  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 1113						
aaaactccat	gagcctcctg	atacagngtc	agatgacgac	aaagaccatg	gaaagaaaaa	60
agggaaattt	aagaaaaagg	agaaaaggac	tgaaggctac	gctgccttcc	aggaagacag	120
ctctgga						127

<210> 1114  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 1114						
cagcctggcc	tacattgnga	aacctcattt	cgggaaagtg	aaatactttg	tcaattaaca	60
tgcaccnngg	ttcaataaag	acttttggaa	agtgtcaaaa	aaaaaaa		107

<210> 1115  
 <211> 173  
 <212> DNA  
 <213> Mus musculus

<400> 1115  
 ggctggccta cgttgntaaa cctnntttng ggaaagtga nnactttgnc aatttcatgc 60  
 agccgggtca ataangactt tnggaangtg tcaaaaacta tncntggcta aanaatgggc 120  
 ctccccctctt ctttataaag cgtgtttgct gacattaaaa ttgaactttg atc 173

<210> 1116  
 <211> 162  
 <212> DNA  
 <213> Mus musculus

<400> 1116  
 taattacttc ttgtggaact ctcaaaggnc ggacaggaaa aaaaaaggag ccctaaangg 60  
 accggggggg ggggggnttt tnncttngg ncacaaaana ncnccccttn tttntnnggt 120  
 tgcccngatt tcccttngta cctcccgaca tttttgataa aa 162

<210> 1117  
 <211> 306  
 <212> DNA  
 <213> Mus musculus

<400> 1117  
 ctgaggtaca ccagggggttg gaaaaaccca ctaggcanag aacttgcac aagatcaggc 60  
 ctgaagtacg ttaaccgttg ganatctagc tcgagaaggg cnntnatncg gacngctncg 120  
 angnngagta tngntgnccc attctaaann aggatagggn tgcccatnag ntagaacatc 180  
 tcntgcagga ngngggggtg acatgaatat taccocggag tgtntacttc ttccccngca 240  
 gctggggcctn tatatgtgnt gagagccgat naacaaaatg aatggtngta ttgtttacac 300  
 cacctg 306

<210> 1118  
 <211> 162  
 <212> DNA  
 <213> Mus musculus

<400> 1118  
 ttgtggaact ctcaaaggtc ctgacaagga agcatnngca gntcananaa aggggcagcc 60  
 tggcctacat tgaaaaacct cattttggga aagtgaaann ctnggtcaat naacaatgcg 120  
 cgatgggttca ataangactt ttggaaaggg tctcaaaaaa aa 162

<210> 1119  
 <211> 215  
 <212> DNA  
 <213> Mus musculus

<400> 1119  
 ctggggggggg aggaaaagac ncccgggagn ggganatttt ttttgagaca aaagatgtnt 60  
 tccagctgaa anacctggag aagcttgctc ccaaagagaa aggcataccc cgcctgtca 120  
 gtgaaaggaa gtccttcaac cctattggat gacggggttg ttgactgcaa aaggatcggn 180  
 accnccaatt actatggggc ttttcccagag caggg 215

<210> 1120  
 <211> 153  
 <212> DNA  
 <213> Mus musculus



<400> 1120  
 tgggatgccca ggtctgtacc aacacaccca tttntgtgt gagtccatca cangtgagca 60  
 aanaccgaaa gnaggcagnt tttntttgt ttggggggag gaangcttaa cggcccgtga 120  
 aaanaagngg ccaggggttt gtgcaaagcc gat 153

<210> 1121  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 1121  
 agactgagat gtcaaaaaag attggtcgga ccatgctctc tgggtgggaaa agaagaggac 60  
 ttggctgctt aagacacact ggaccttgga taagtgtggc atccaggcag atgccaagct 120  
 ccagttcacc ccgcagcaca aactgctccg cctgcagctt cccaacatga agtatgtgaa 180  
 ggtgaaagtg aactttctctg accgagtctt caaggctgtg tctgacatct gcaagacttt 240  
 caatataaga caccctgaag aactttctct cttaaaaaaa cccagagatc ccacaaaaaa 300  
 aaaa 304

<210> 1122  
 <211> 219  
 <212> DNA  
 <213> Mus musculus

<400> 1122  
 aaggccctgt tgggggtggg tgcngnctag agnggaaaca atgacncctt tgagnggaga 60  
 aaccttttga tntctgtgng caacacggat cacaacaatc tgggggtgggg gctgggggtc 120  
 tgaacctgcc cttttttttt tgtagggac cttcttaaac cagtcaaggc tgccagaaaa 180  
 acctttttta aaacaatggg gcaaaaaaca cacacttgt 219

<210> 1123  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 1123  
 cctcccccaa caaggccatt tgtgncccn cctgttaaaa anggatnatn atgangaaca 60  
 ccngtggac canntnatca ccgggtctgg ctgtgctccc tccctctttg caaagcaaag 120  
 attgnntggc ccaacaccaa nactggcccc agtgccancc cngaagggtg aggccttnaa 180  
 aggattgtnt gattgcccac caggcaaaac ggggggagga gctgccaagg aaaaaaaagc 240

<210> 1124  
 <211> 287  
 <212> DNA  
 <213> Mus musculus

<400> 1124  
 aagggaagc agcgtggctc aagccgctca cctgcaagcc ttcgtcagcc ctgtagtcaa 60  
 gaggaagcca gcagcttcac tacgtagtgt ggaaagagat ctgtctgggt acatcggacc 120  
 agcgtgcttg tgagatacat gtgcatgtgt gcaagatgac gggaggaaga agcaaggat 180  
 gttttaagga atcttcgtgt gtagcagagt tttctctggt gactcgcaat ctatctctcc 240  
 tgaaaccagt aatgaatta aatgaatta acttaaagca aaaaaaa 287

<210> 1125  
 <211> 180  
 <212> DNA  
 <213> Mus musculus

<400> 1125

cagtgtaca	gtcacaggac	acaaggacgg	natgctggca	catgntngnt	gcnacacagg	60
atgngctatg	acatnctnn	tnncatgcac	ccgatgacac	ttctcatcac	ttttcccca	120
ggntacttct	ttgctctncc	tnngctgaatt	tatgtaaaac	gaagtgccaa	atttaaatgat	180

<210> 1126  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 1126						
gtccacgtaa	tctggggaaa	gcagtttctc	tggaaaagct	ttgcttccta	caaacacgcg	60
ctttccctga	ggcctgcttg	cagccattgg	acacttggtc	tagtggtggt	atttctatgt	120
cttctgtcgt	aacanaattg	tctctgtgcc	ctgtgattgt	tttgggtagg	gacgctttgt	180
atccttgtac	agtagtcttg	acgattntcc	tcccctacgc	canttttttg	ttggngnttg	240
ctatctaaaa	ctggtatatt	tttctgttgg	ctaaataaat	caaagatttg	gaacttttaa	300
aaaa						304

<210> 1127  
 <211> 286  
 <212> DNA  
 <213> Mus musculus

<400> 1127						
caactgaggt	tggggattta	agagtggag	attgccaaaca	gctgtggcct	cccatgaggg	60
tgtccctttt	caagttctca	gaacggagcg	aggactgcag	atctgtgctg	gcagcagcag	120
aggctatatt	cccagaggag	tctccagccg	gcctgaaagc	aaatatccta	agtgacatgt	180
ctgccaat	tgttctgggt	gggcacattt	ggtaatcctg	tctgtaccac	aggatcttct	240
atgcctttta	aaaataaaca	tttgtttata	aaccagaaaa	aaaaaa		286

<210> 1128  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 1128						
gattaaggcc	agactgacct	acattgagaa	acctcatttt	gggaaagtga	aatactttga	60
aaattaacat	gcancnggt	ccattataag	acgtttgtgg	aaagtgtcaa	aattaaga	118

<210> 1129  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 1129						
gtaagggttg	ggctgatgta	aatcctgnac	aaangncata	attacttntt	gtggaactnt	60
nanaggtncg	gacaggaagc	ctggctgggg	tcatataggg	tgcctgcctc		110

<210> 1130  
 <211> 324  
 <212> DNA  
 <213> Mus musculus

<400> 1130						
ccaactgagc	gtcctgagaa	caaaatccta	cntctgtcag	cctgtgggan	ggagganaga	60
tcatggnttc	tgagcctgtn	gagagacccg	agagccccct	gcccttaaag	ggcacacctg	120
gagtcccaa	ngatcaatag	gaggtatntc	tgggcagccg	ntcctatcct	ncagctgtcg	180
gnaatncn	gancangaa	canaacacgc	ctcccaagnc	tcctcataga	gagctgggtg	240
cctgcaaggg	ctctggaana	nctgnacca	ccgtgagaag	ctctcccact	cantgcggaa	300

tgagccgagt ggtaggagc ttgc

324

<210> 1131  
<211> 344  
<212> DNA  
<213> Mus musculus

<400> 1131  
gaactgaggt ggggtctttc acctgaagct ggccagtttc ctgtgccaaa gccttcgacc 60  
ttggaaagag cagcgcagtt ccaaaccaaa gtcttggaag gaggaggagac catgggtcaa 120  
acctgtaaca aagaggcctg ctgtccagct gccgggctcc cttttggcca gcaagcaagt 180  
caccctcca cctgcagtgg caccggcct ctaggagctg ctgactagcc tggctgagtt 240  
gcttctaagc cttccaagcc tgagtacaga gagaagcctg gggaggagac agctgtgaaa 300  
gagcaaggat agtccacctg cccctaccc aagttttgga cgtc 344

<210> 1132  
<211> 315  
<212> DNA  
<213> Mus musculus

<400> 1132  
gctgtgaaaa gagctggagt ccattctctgg aggggctctg naacctganc acagangtgg 60  
ggcctncgca aaagtgagga ctctgactac ctggnagacc ttncaaccaa gtggcactga 120  
atagctcgag tcattctttt ttaaacaatc tttcttttaa caatcacaag cctgctcca 180  
ggagcagtga tatcattggt tattctactt aatgaaatca taacatcagc attataaaaag 240  
cccatcact gtaaaagccc tcaatagttt tccttctctc ttcccatctc ctgctatcga 300  
ttgaggaatg taagc 315

<210> 1133  
<211> 322  
<212> DNA  
<213> Mus musculus

<400> 1133  
gaagaggggt ctttcaccac cagcccaagn actctcagct gctctgcaga agacacttcc 60  
ctgcatcgcc ggagtcccca aagatgtcag ccactgagtg tccagttccc cnngctggg 120  
agaggagnng gggngccgga gaggaggga ccntggnagg aaactgngan gggctcctcat 180  
ggttgcatth cgcacccttc cctantgtcc attngtctgt ctgtctgctg tcntgtgtt 240  
ttagactttc aggttttttt tcctttccct tttttgttg gagttttgag acntttttgt 300  
accnggggga ttttatattat ca 322

<210> 1134  
<211> 181  
<212> DNA  
<213> Mus musculus

<400> 1134  
caggaagaat tgcagagaca ttcagaagga ctgcaaaagg ccgacgaagn ggctcagcgg 60  
ataaaggtgc ttcggtacca gccggagaag caacttccca gagttatcct ctgagcttca 120  
cacataacat ctctccctg cacaccatac aatactaata aatattttta aaaagaaaaa 180  
a 181

<210> 1135  
<211> 277  
<212> DNA  
<213> Mus musculus

<400> 1135

tccaccagaa	ataccnccag	acccaggttg	ccctcagaag	gaaccaggct	ggctgatggc	60
atggcagacc	tgaaggtatt	gctttaaaag	gagggaatca	ggcctgaggc	atcaggcctg	120
aagggctagg	caggggctct	gcccaggagg	gccctagcca	ggcctcagag	cctcactgga	180
gggtagtcat	gggctaaggg	cccaggctga	ctgcatttcc	actcccttcg	gagacttata	240
gctatcaa	aatatagaa	aagagccctc	ccccgcc			277

<210> 1136  
 <211> 275  
 <212> DNA  
 <213> Mus musculus

<400> 1136						
tccctgactt	tgttttact	gagaaggagg	gcatgtntga	tggcagctgg	gccctggctg	60
atgtcntgag	ccagctcang	angangcggg	cagccactac	actagatgng	aagattgnga	120
angnccggaa	gagaaggatg	gctgnggact	nggangccna	gtctgggang	gtggnggnga	180
atganggcca	ggcagactct	gncctgangg	ggcnggnan	tccgggtgag	gatgaggcag	240
gctccaagga	tgaagactct	gagactgact	actcc			275

<210> 1137  
 <211> 128  
 <212> DNA  
 <213> Mus musculus

<400> 1137						
ttgaaacccc	tgagtggntt	ngggctgagt	aaaacctggg	cannggccat	aattacttat	60
tgtggaaatc	tcaaaanncg	acaccannaa	agcatngcta	ggttccttnt	ttttataaat	120
cttaacct						128

<210> 1138  
 <211> 142  
 <212> DNA  
 <213> Mus musculus

<400> 1138						
tggagtgtgt	ctgtctnaag	tgtattaatg	acgcctgcca	cnangtggtg	ggaaagtccg	60
tgaaactncn	atcancaggc	taggtagtga	tggctcantg	gttaataacc	accgactgct	120
cttgataagg	tcttgacttc	aa				142

<210> 1139  
 <211> 231  
 <212> DNA  
 <213> Mus musculus

<400> 1139						
gttaatgaca	caggcacagt	tggaagaggc	tcttnactgg	cagttgangc	cncttaaggc	60
cattnaagat	gcccccntt	ntggaagaac	gaaagcccat	aatgncgtt	ttatctgggg	120
ataanatctt	ggaagggnac	agaaacnaac	caatatgngn	ttactggtat	nttcattata	180
acataccccc	tcgggggncg	ggttttttggt	ggttggaaga	aaccaaccgg	g	231

<210> 1140  
 <211> 265  
 <212> DNA  
 <213> Mus musculus

<400> 1140						
gccccatgtc	ctttgatctt	gggttggttt	gttggtgtga	gacaagggtt	ntntgtgtan	60
caggttgtna	ntntgtanac	caggctggcc	tcaaactcat	atttgcttcc	ctctgtttcc	120
cagtgtngng	antaaagnca	tgggccaccn	ctggggacaaa	tntgaacatg	gaaatnnnga	180

tagtagcngg gtataacaca ctgcctaaaa cagggaccca taaatgcnat gacctaaata	240
aattaattaa ttcaaacaaa aaaaa	265

<210> 1141  
 <211> 175  
 <212> DNA  
 <213> Mus musculus

<400> 1141	
aggtaaaacc ctgggcaaag gccataaatt acttcttgng gaactntcaa aggtcgtnc	60
ggaaccataa aaaagacnca actttttgca gattaaggcc agcctggcct actttganna	120
ancctcantic tgggaaagtg aaatactttg tcaatnaaca tgcaccttgg gttca	175

<210> 1142  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 1142	
actgagggag acatccaggt accaacctgc cagaggagag agtgcactta ccgaataaaa	60
ctcaagtga ccccgagaaa aantntcaaa ggtggggggg ggggggt	107

<210> 1143  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 1143	
tttcatcctt tcgcctnttt tgttctactg agtgggtnnn ccctgangtn taccngggca	60
gagccataat tncttctcgt ggaactctca aaggtcggac agg	103

<210> 1144  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 1144	
gatecctcgg agctgaanag gatnagtcgg ttataagcct cctgacgtgg atagctggca	60
cggaaacnng ggcntcttg aaagaacnnc aagttgttct tagctgctgg gagtgtctct	120
gcngcnccca aggaggganc ctgngcngat ngganaagca gtnnngagga ttctacagtc	180
aantcnttgg atgaagtgtg tgcccatgca gngccccagt cctagcctgt atgtcnccag	240
gctcttcatt ccttctctgg cccccaa	267

<210> 1145  
 <211> 357  
 <212> DNA  
 <213> Mus musculus

<400> 1145	
taactgaggg gatcttacag aaggctgaga cactgtacac catgggagac tntgagtttg	60
ccctggtagt tctatcatcg aggctacaaa ctgagacctg atcggaatt canagtagga	120
attcanaagg nccaggaagc catcagcanc tcggtgggaa gtccttnttn aatcaagctg	180
gagaacaaag gcgacctctc cttcttaagc aagcaagctg agagtaagaa agcccaacag	240
aagcatctgc ctataaagca actctcgtac agcaccaagc atgaaatcaa gcggaagggc	300
tcgctcaaga gcgagaanac cgtgcggcag ctgctcgggg agctgtacgt ggacaag	357

<210> 1146  
 <211> 155

<212> DNA  
<213> Mus musculus

<400> 1146  
aactctcaaa ggcccgcgcg gaagcngctg tgacacaaaa naaagccagc ctggcctacg 60  
ttgacaaacc tcattttggg aaagtgaat actttgtcan ttaacatgca cgttgggtca 120  
ataaanactt ttggaaagng tcaaaaaaat taaaa 155

<210> 1147  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 1147  
gcctggccta cattgagaaa cctcattttg ggaaagtga atactttgtc aattaacatg 60  
canttggntc aataaagact tttggaaagt gtccaaccaa aaaaaaa 107

<210> 1148  
<211> 274  
<212> DNA  
<213> Mus musculus

<400> 1148  
atgttttcta taccaacact actgaactgg actgctggtn tattnatgaa ggggttgctg 60  
ctcctgactt ctatnaactg aactgntgat ttcctgacaa tacagaacgg gattntgctt 120  
caaagaaaaa tttctaaacn ggatncnttt gaccatttaa ggnctngcn ngacacnatt 180  
cccagccctg agngggggat ttgntcggac cttttcnaag aanaactctt gtnacaanaa 240  
gatgtngatt cttgganacc tggccaaaga aacc 274

<210> 1149  
<211> 167  
<212> DNA  
<213> Mus musculus

<400> 1149  
cgtttccttt attcctcctc ctcttntcag gntttcttcn gnnttcncct ctangccacc 60  
ccccgntnc acaccantga agnggctttg ggctgaagta nancctgggc agcaggccat 120  
aattacttct tgtggaactc tcaaagggtc ggacaggaaa aaaaaaa 167

<210> 1150  
<211> 454  
<212> DNA  
<213> Mus musculus

<400> 1150  
actgaggcca aggaggtaac ttgtatgctt ctgctccata nagtngaana ttgggttgga 60  
ctnactcagc attttanenc tncattggnn gntttgttan ngggtnccca gaccncatn 120  
cncngttntc aagaangggg cagtgaagna tgggnaggcc tnantnacga ngtggcgnnt 180  
accctacnct ttttgattac tcnngtnagga agcatggcnc tacnttgcaa aacacatngn 240  
ttgtatttaa cacntntgtc tccccatttt ccctgcctt tttacatttg ggctttgtta 300  
taggggttggc cgcccgccag gncagaccag accaggcngg ccagttcctt tggcnaacga 360  
aagggcatcg aaanactnaa nccatgatcc cacttttttc ccccttgggc nggggggcct 420  
tnccaacggg ggggctnaac caaataggg ccct 454

<210> 1151  
<211> 162  
<212> DNA  
<213> Mus musculus

<400> 1151  
 aactgaggt tctaantgna aaatctgaca tcaatggcac catttgga aaactagtgac 60  
 actgtacttt attttggtat caagaataaa gagtgattgg agctcttggg cagagagaga 120  
 ggaccctgct cngcccagg catcgtaaac tttccaacac tg 162

<210> 1152  
 <211> 340  
 <212> DNA  
 <213> Mus musculus

<400> 1152  
 tgagtagcaa cccgcgccat ggagcaggnc tggngtgagg cccagcgc cccgcccgg 60  
 gccntgccc cactgncggg ccnggcggcg gaaccgaggt gatccagggt accaacnggt 120  
 ctccnagcgc caacttcaaa gcanatgcnn acgcttttcn gcttccttgg caagatngac 180  
 aaactgtnc nnttcccggc ggtatgacta acctttggca ggctccttgc gggngtgctt 240  
 tnttaanant ccatgaatnc atacttaana ggggtggggc ncaagcattn tttgaccaa 300  
 ccaacgtggn ggtttccgat gggncagaaa actttttgga 340

<210> 1153  
 <211> 112  
 <212> DNA  
 <213> Mus musculus

<400> 1153  
 gagggcataa ttactttcttg aggaactctc aaaggnnccg tacaggaatc cntgaggaac 60  
 accaaaaatg agggcccccgn gaataacctc cacaaccctt gtcggccctt ca 112

<210> 1154  
 <211> 212  
 <212> DNA  
 <213> Mus musculus

<400> 1154  
 caggggtgtg agtgagatac gagctgnncc tgntgacctg tgaactgngc tgccgatttc 60  
 cagacaacat agacaggaat ngctccaaag aacctttcta aacagggtcca ttcaccctct 120  
 ctcttccata tcctttcttt ccactacct ttggtgggtg ctgggctaca aggaagggtta 180  
 aagcatttaa gaaccactat taaaaataat tt 212

<210> 1155  
 <211> 193  
 <212> DNA  
 <213> Mus musculus

<400> 1155  
 tggctcatgc ctggtgtcta gcctgccgag aggacgggtc tgngcctgc tgggtcatat 60  
 tngngattg ctacagggct gnactgctgc ccaagangat caagcttgcc ccaaagaac 120  
 tactgatgaa cagctccact tccctcataa cctaaaatct tttctttcct actcactctg 180  
 ctgagtgggtg ggc 193

<210> 1156  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<400> 1156  
 gcccgacctt ttactttanc taccaaataa taggatcagg tggaaagcnc tgccctggtt 60  
 tctgtccctg tgggggttgc ttctgatggg ctgtggcctg ngcctggcca ntaccaagtg 120  
 cctacaggcc agnngcttac actggcaaca caagntgctt cccagtgga tctgggagag 180



ggttccttg

189

<210> 1157  
<211> 205  
<212> DNA  
<213> Mus musculus

<400> 1157

atgagcgcta	ctttgancaa	cncaaggagg	ctnccttctt	naaanaaact	ggttcggtcc	60
nttattacca	acgttcggaa	gaacctaac	ttncacacac	tcanccagga	atccctcctg	120
aaggantncn	tccaaccatt	cttcengang	ctncactgcc	ttgacagcca	catgactgcc	180
tttaccocat	ggaggctcct	gggct				205

<210> 1158  
<211> 177  
<212> DNA  
<213> Mus musculus

<400> 1158

acagctcttc	tttagaggaa	ncaggaggaa	tatgtggtgg	aaaagggttg	tggacaggcc	60
gcntggtatt	aggggcnaaa	gnngggaata	tctngtncna	acgtggaata	ggctttttgn	120
ttgaggggagc	accaattaac	tatggtgaaa	cnctnaggan	aggaaacttt	ggaattg	177

<210> 1159  
<211> 335  
<212> DNA  
<213> Mus musculus

<400> 1159

cactgagggtg	cgaggaggaa	taagaagctc	aactgangct	cgcttccggn	agntgctggg	60
cacggacccc	cacgcacgtg	gacggtcacc	agnacngca	tntgcttnca	ngcgtgtggn	120
aagtgttcnc	cgaggcgctg	naggcgnacg	gggtccgntt	canacggctg	ncggcagaac	180
gtggcggtggg	cagctgcgcg	tggctcgaan	caccaaangc	gcgccttcgc	ctgcacggtg	240
gagcgcgatg	cccggncgcg	aattggcccc	ttctntcgcc	acggcctgcg	gtgaacataa	300
gccttttncaa	ctacatacaa	ccctgccacg	tccta			335

<210> 1160  
<211> 304  
<212> DNA  
<213> Mus musculus

<400> 1160

gcaggtttat	ggggggcnca	aaggacatga	ttatgtgtat	gacntttcca	taagagnng	60
atttacactg	gctggtntga	tggcagcatc	caggctgtga	ggctcaatnt	gatgcccaaa	120
ttaccgctgt	tgggggggatg	gctggncctc	tgatnttttg	gcgttggggg	atcactttga	180
aaacaaacca	cttgcttgac	nggaccnccc	caatcccaaa	nttttcaaaa	acctttaann	240
ggncnaatgg	ggggaactgg	ggangccctt	tttttttacn	gcccgggnaa	gggattccaa	300
cccc						304

<210> 1161  
<211> 190  
<212> DNA  
<213> Mus musculus

<400> 1161

caccagcaaa	gaacacactg	ngctctgggg	agaagggcag	attncgcttc	gtctgccgng	60
gttccaggac	actcttcaaa	agcgctgtt	nacacgcnc	ctctgaatac	acnaagactc	120
ttcctgccac	cactntggaa	gcgggctccc	tanaagtcta	tnaaatatga	atggacccat	180

gacccataaa

190

<210> 1162  
<211> 488  
<212> DNA  
<213> Mus musculus

<400> 1162

ttaacaaaat	ggactaatcg	atccccgtnga	taganctggn	cagatcttaa	gccaattctn	60
gtacccttgt	caccccnac	atgggacatt	aagagaagca	tggggccngc	atcattnaac	120
gcgcncagc	caactgncag	cacacaaact	actgaggatg	canggctgct	tgacctccac	180
tagatgggcc	ctctgtgcct	tcactccntg	aggcttgggg	acagagaatc	cccccttccc	240
ttctntgnag	cacctcccc	acacacctgc	ctacatcatg	gaactgcctt	aggccgacat	300
cattctatgc	ttacgccaca	aacagacccc	caagactgna	ggaagaaacc	aaacctttga	360
tgattgaacc	actcccctgt	gtaggngnca	ttggtgacat	aatantacac	gccttggggc	420
gngcctctgg	ncatcaancc	actnccctac	aaaaggacaa	cacacactca	tttaaaaagt	480
gaggtgga						488

<210> 1163  
<211> 179  
<212> DNA  
<213> Mus musculus

<400> 1163

aaactggctg	tggggaaact	ctatgacatc	gatgtnnnca	aagtcaatac	cctnntagac	60
gcccnaacga	cagaagaacg	cggtatgttc	gctnggctcc	ctttatgang	ccctaaatgt	120
tgccaacaaa	catnggnntc	atctaancat	gattncagat	ggctaaactc	taaacttat	179

<210> 1164  
<211> 216  
<212> DNA  
<213> Mus musculus

<400> 1164

gactgagaga	ctctaaaaca	acagacagca	ggccggtgga	agctctgact	gcagagggtg	60
catgctcctt	ctgaggnttg	ggagctgctc	atctatctga	ctttggcggn	gattacacgg	120
gtatgtacac	ttgtcaaact	tattactgta	catgcaaagg	aagtttagtt	cattacatgg	180
caaattatac	ctcaataaag	ttgactttat	ccatt			216

<210> 1165  
<211> 337  
<212> DNA  
<213> Mus musculus

<400> 1165

caggagggtcc	tgcttggnac	acctgctgcc	nagagatgat	ctattgngaa	gtacttgatt	60
tgctcaaata	aagntatcct	cattatggtc	caangccttt	gncatcaatg	tggccnttgc	120
tttgnatgct	gatacantgt	ngaccntatc	tggattctaa	tgacaagtgt	nccaaacagt	180
atcatcctgn	atgnacaact	atcgganaaa	cttattgcca	tnaangtact	ttctgcaang	240
cactganact	tggtacaatg	ccttcctctc	tattatggaa	caaaatcact	ttcatccngg	300
ccttggtggn	ccccttttac	tatggaacta	cttttgc			337

<210> 1166  
<211> 152  
<212> DNA  
<213> Mus musculus

<400> 1166

ctgcaaagggt ctgggtaaag gncctgtctt ngaagtnena gtnagatcna caccctgggtg	60
gtcacaactc ctaatgaaat ctgtnccttt ggagtgtga agacagctca gtgtcttaca	120
tataataaat aataaatctt taaaaaaaaa aa	152

<210> 1167  
 <211> 117  
 <212> DNA  
 <213> Mus musculus

<400> 1167	
gacaaataaa aacaagcnag ncagattaag gncagcctgg cctacnttag agaaacctca	60
ttttgggaaa gtgaaatact ttgtcaatta acatgcagtt ggttcaataa agacttt	117

<210> 1168  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 1168	
actgagggac cagaggtgaa gatgacttca gttatgcaga tctacttcac gaatagggat	60
cttcttgatg ttcccaaact ccccttgggc ctgaaaaggc ctaggtttct cttttcccaa	120
gttaaggatg gcggcctcgg gccttacctc ctgttacctt gttaccttta aaataaagggt	180
gcccaggaaa gagaaaaaaa	200

<210> 1169  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 1169	
cccgtttaaa accccactna agncggtttg gtctggggta nancctgggc ancannccat	60
aattacttnt tgnnggaactc tcaaaggctg gacaggcaat ta	102

<210> 1170  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 1170	
aggacccaca caacagaaaa gaaccaactc ctgaaagttg tctcttgact tctactcata	60
tactgtgacc tgcattgggca cgcattgtctg tataccgtgt acacacacat acaaaataaa	120
taaaa	125

<210> 1171  
 <211> 112  
 <212> DNA  
 <213> Mus musculus

<400> 1171	
gggtttttta gggggggacc actnattaaa nttctctgag gnagatcctg ggcacaaggc	60
cataattact tcttgnnggaa ctctcaaagg nccggacagg aaccatgggt gg	112

<210> 1172  
 <211> 217  
 <212> DNA  
 <213> Mus musculus

<400> 1172

tttgacagat	cccaaccgtg	cccgtttcnc	tctgcnagag	ctgagggagg	cgctgctgga	60
acnnaacaaa	gcncaagncg	caactgctgc	tggtgcaaag	aggaactgcn	gngctncaaa	120
gaagtgggtct	acttccaccc	actnganact	ccagggaggg	aagananaat	aganggnatg	180
cctgntggnt	ncctntgggc	caacgagcga	gaaagg			217

<210> 1173  
 <211> 111  
 <212> DNA  
 <213> Mus musculus

<400> 1173						
ccccgaagcc	aacagacatg	gtgcgaaaag	gcaaagaccc	ccattantac	agacctactg	60
gnctgnctgc	aaatacnag	angtcctcct	nttatttcaa	aaagctctgc	t	111

<210> 1174  
 <211> 202  
 <212> DNA  
 <213> Mus musculus

<400> 1174						
atcggggcgat	atagttanga	cttccganga	cangtagatg	ctggggcgnc	gncctccntc	60
gcaatgcntn	ctcagccatt	gncgtgggga	atggttttgt	ggtgctcnca	ggccggccat	120
gtnnncatcg	tcgagatntc	tactnacnaa	tactggcggn	catggccttn	ccaagngtcc	180
atctgggttg	cattgacgtt	tt				202

<210> 1175  
 <211> 187  
 <212> DNA  
 <213> Mus musculus

<400> 1175						
aactgagtga	gctcgccctca	agctcttttg	ctgcagaaat	gcacggaaaa	tatgangagg	60
atcctgaaag	aattctctgg	cagagagcac	atcttgtttt	cggccggcat	ttgttcgtcg	120
tcgtcgctcg	cactacctac	attccccgcg	cgtgttcaca	tatgaaaaca	attatttctc	180
agttcag						187

<210> 1176  
 <211> 403  
 <212> DNA  
 <213> Mus musculus

<400> 1176						
atgatcagca	agctttgaat	tcaatcatgc	aagatttggc	tgctccttcat	aaggccagtc	60
ggccagcatt	atcttttaca	gaaaccagga	aagcaaaacc	ttcatcacca	aaaaaacaga	120
atgatgttcg	agtcaaattt	gaacatagag	gagaaaaaag	gatcctgcag	gttactagac	180
cagttaaact	agaagacctg	agatctaagt	ncannatcgc	ctttgggcag	tctatggatc	240
tacactatac	caacaatgag	ttggtaattc	cgtaactac	ccaagatgac	ttggacaaag	300
ctgtggaact	gctggatcgc	agtattcaca	tgaagaggct	tcagatatta	cttgtagtaa	360
atgggagtac	acaggctact	aatttagaac	catcacgcgc	acc		403

<210> 1177  
 <211> 405  
 <212> DNA  
 <213> Mus musculus

<400> 1177						
actgagggga	cctggctgac	acctggactt	ctcatcgctt	acctcctcag	ccagagggcc	60
caagctcaac	aagccttggg	ctctaaagac	tcccactctt	ggagagagac	tgagctgtac	120

tgaagcccac	agctcctctc	tctgggatga	agttactaaa	ctccgatccc	agcttcaggc	180
tcaggctcag	gtgactgagg	cgctgaagca	ttctgtacag	agcctgttga	aggatcggga	240
gcaacatatg	ttcaagatca	gtgctctaga	agcatcacta	aaactgctgc	aggagggccc	300
caaagggaga	gcccttcttg	agcaatgcct	ggaagggctg	aaaaaggaac	tgcagggcct	360
tcggagtcag	ggtcaagaac	tagtcccaaa	cccaatggaa	ggcag		405

<210> 1178  
 <211> 590  
 <212> DNA  
 <213> Mus musculus

<400> 1178						
gtttcagcaa	ggtggtacca	nccccggagg	ctaagcccgc	tccttctctg	aacagaccca	60
aaaccccacc	tccagcccca	gtccctattc	ctgtgcgagt	gagccctact	cccctgcagc	120
caccactcct	caccagggct	gcagtgtgcc	cagccctgat	gccatcccca	gctcccggcc	180
tctctggaat	agggagtgcc	aaagcccccg	tgaggagcgt	cgtgactgan	acggtcagca	240
cttatgtgat	ccgtgatgag	tggggcaatc	agatctggat	ctgtccaggg	tgcaacaagc	300
ctgatgacgg	gagcccgatg	attggctgtg	acgactgtga	cgattggtac	cactggccct	360
gtgtgggaat	catggctgct	cctccagaan	agatgcagtg	gttctgcccg	aagtgtgcca	420
acaagataaa	gaaagacaag	aagcacaaga	agaggaagca	ccgtgcgcac	tgacatcanc	480
gtgggcagga	ctgctgccct	gcncggggtc	ggggctgggc	tggttctgcc	atcctgtctc	540
ccccggggccc	tgtggacttg	cancgcattc	canaggaaca	aggacaatat		590

<210> 1179  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 1179						
ttaccaatct	gaatggccac	accgctcgag	tcaactgcct	gcagtggata	cagtacagag	60
gatggctccc	cttccaatga	gctgggtgtc	ggaggatctg	acaatcgggt	gattcattgg	120
gaactagaga	ataatcaggt	tttaaaatca	gtccgtctcc	aaggccatga	aggacctgtt	180
tgtgctgtgc	acgctattta	ccagagtggg	ccatccgaag	gggagcagca	tgcgctgata	240
gcttctgcag	cttcagattc	tactgtgcga	atctgggtcta	aaaaggggtc	tgaagtcaaa	300
taccttcaga	ccttgagctt	caaggatgga	ttcgttcttt	tctgtctgct	gctatttgcc	360
tggtactaat	ggtaagtgtc	ctgctattta	ttaaaagaac	gcataaagtt	ag	412

<210> 1180  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 1180						
agcctgggca	cgaggccatn	nntnctntn	ggggaactat	caaaggnncn	ncaggaagca	60
tggctgagtn	catatatgan	ctgaaacaaa	gnatggccgn	gctggagatn	catcgtgtgc	120
tccggcagac	aggccagcct	gaggacgacc	aggcgtccac	aaaa		164

<210> 1181  
 <211> 418  
 <212> DNA  
 <213> Mus musculus

<400> 1181						
cacctggcct	ccctgaaggg	gtgtctactg	gaatggctac	tatgcagttc	ttacatagtg	60
gtgacttacc	actggccacc	ctgacctctc	ctctgtgctt	ctgggggttc	ctttcattgg	120
ggtgaggaan	caaggncaa	gtcanagtgc	ctcttgaagg	ttctcccana	tatgggaact	180
ggggcctctt	ccctggaaat	gagggcaggg	accagttcc	atcctggggg	gtgtccccag	240
atacagcctg	ggttaaaggg	cagggattca	tggtgctgac	ccaggctctc	tgagaaggcc	300

ctgtcattcc	tgtttgtgat	gttctgagga	tgcccatctg	taggttttta	ttttnaaanc	360
aagnctccnn	ccaccggcca	ttttgcccac	tgctttntat	tttggtttta	tcctaaca	418

<210> 1182  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 1182						
gtgtgcttgt	caatgtccca	gacatgaacc	agcccaggcc	ccgctacgtg	gtagacaaga	60
gctgcgtact	ccctctccct	cttcgatgat	gagtttgaga	agaaggaccg	tgcctacccg	120
gtgggagaga	agcttcgcaa	cactttcagg	tgctcctcag	ccaagttcaa	agcctttgtg	180
tttgggctgt	tgctgtgct	ctcctggctc	cctaaataca	agatcaaaga	ctacatcata	240
cncnannagn	tgnnnnnact	nagtgggggg	tgtatccagg	tgccacaagg	catggcattt	300
gcattgctgg	ccaaccttcc	tgctgtcaac	ggctcttact	cctccttctt	ccccctcctg	360
acctatttct	tcttacgggg	tatggcagct				390

<210> 1183  
 <211> 435  
 <212> DNA  
 <213> Mus musculus

<400> 1183						
actgagagtg	aggatccatg	acctccgcag	cgataagatc	gccctgtcgc	tgtctgccca	60
tcaanctggg	ggtgtccgca	gtccagatgg	atgactggaa	ggttgtcagt	ggaggcaagg	120
aggggctggg	gtctgtgtgg	gattaccgca	tgaaccagaa	gctgtgggaa	gtgcactcca	180
ggcacccctgt	gcgctatctc	tccttcaata	gacacagcct	catcactgnc	aacnggccct	240
acnanaaggn	gctgngaaac	tccgacctcc	acaactttgc	ctgtcacagg	agacatngtg	300
gnctgatcca	tgctatgaa	tttgcctgng	accagctggg	ctttcagagc	ccccttcctg	360
tctgccgctt	accccggtgac	atcatgggctg	gatacaagct	atgacctcgc	actgtctttt	420
ccccatgaaa	agata					435

<210> 1184  
 <211> 304  
 <212> DNA  
 <213> Mus musculus

<400> 1184						
gaggtctggg	gagtttcaaa	ggacatgctc	tccttgggag	tttcttcttc	nccttgggct	60
tttgggggac	tatgaagaac	atcctgaaat	ctgtctacaa	aaggcaaact	cgaacctgct	120
accttaactc	taaaacatta	ttaccgtcgg	acagagattt	gggaaggagt	tgtngtgctt	180
ttaatgncnc	tacttgnat	agcnggtgaa	cagtttatct	caggaggacc	tgccttgatc	240
ttgcataaag	atggccagng	gaaccagatc	ctgggctggc	atcacacaac	catgtactta	300
ttgg						304

<210> 1185  
 <211> 135  
 <212> DNA  
 <213> Mus musculus

<400> 1185						
tcaacaagat	gcacangctg	atgtctaant	nattgctgtc	ttnatcatan	caacntggtc	60
nacantagtt	acttaggacc	ncaggntggt	tataaattan	cttacaataa	acaacttaca	120
atgagaaaaa	caaaa					135

<210> 1186  
 <211> 640  
 <212> DNA

<213> Mus musculus

<400> 1186

aggctccctt	atggaactta	agacagtcca	ggcagngcac	gtccctgnga	ggtcgtccat	60
gtcccgagaa	gagcagccga	ttcctggatt	gcgagagtcc	tgtgcacgta	tttatgagcc	120
tgtccccacc	gaaagcagta	atccttcagg	ccaagccatc	caattttaaa	ccccgctgcc	180
ttgttcatgt	tgggtataca	gagactcaga	ggcgctagtt	aatggccagc	ctgacctgtc	240
ttccttgtgt	ttcggggggt	gaaaggaggt	tccaggagaa	taatgccctg	gaatattctg	300
aggctgaaat	gttgngtctc	ggatagacag	agtacttctc	cgtgggtcct	cctgcacaga	360
agcccccttc	tgctctgttg	tcaatcactg	ggttagtttt	ttgttatgtc	tgnttctgtt	420
gttctcttct	ttctgggttg	atcttaatct	ttggaaatac	acagtgtctc	tcagggtttgc	480
ctgggttcccc	tgtgtgacct	tccccccac	acacacacaa	agttaaccag	ctgactggga	540
gcaatgctcg	nggaatgggc	cagtcacttg	aaagacagac	cttcaagcca	gcaatgggca	600
actggagcga	gcacttaaag	cgcacctttg	atcttccctt			640

<210> 1187

<211> 469

<212> DNA

<213> Mus musculus

<400> 1187

aactctgtta	tggatccaac	aacnacaccn	ttctaattggt	taccgcagca	cacagcccan	60
caaccacagg	gtggtggaag	ccaatttcct	gaacgtcccg	gatatgtact	cttcgtacca	120
cctttaccta	aaaaacatgc	agaaggagat	tctacaacct	aagaaacaga	agaaaacaaa	180
gaagaaccgg	cacttttgga	gccggaaatg	acacactggc	cccagggctc	accctgcccc	240
ttgtctaagg	aatcctggaa	tgtgggtctc	cttgctgcct	tcagcgagtc	tctgattaac	300
ccagagggag	ttctcctccg	agagaagaag	tggagctacg	ttagccagaa	gagaaaggga	360
tgtgggtgag	agggaaaaga	cttcgacgga	cgtgcaaaga	aatcaagcct	ttcataattc	420
cctgtcaatc	attcacctaa	agntgggggc	cacagatgca	gctcatggg		469

<210> 1188

<211> 418

<212> DNA

<213> Mus musculus

<400> 1188

ctggacagac	gcctgcccga	acaaagaant	tgaaaagtag	aaatcctatg	acatgccatc	60
tctgcttttg	taccagaag	agagcttgag	cctctccatg	gcttccaacg	cttcggagag	120
tccaggggtca	ttctgagagc	actccttgga	gttcttctgc	ctggngancc	ttnttggtgt	180
aaagaactca	cagnacgtta	tccaatccct	gtngcccac	aaaaaccgtc	tgtgcctnat	240
ctttctttga	cnctgantga	agaaccagga	tctgatgact	tctttccgta	gtttgaagag	300
aacaactttt	gagagttggt	nctctcctat	tctgtgngac	ccagggatga	cactccaacc	360
atcangcttg	atagccgggc	accaaggtaa	cttnttgagc	caccctgggt	ggggcctt	418

<210> 1189

<211> 447

<212> DNA

<213> Mus musculus

<400> 1189

gactaacctg	ttgctcaatg	ctagatacac	tatactgagg	aatctttgag	aagccaggaa	60
gaaaaataat	agaatgagaa	gacctgaaga	ctaaactgcc	ttttcattcg	ggcgttggct	120
gctagcta	tgcactaaac	cacactggag	agcatatata	cattcatata	atgttcgagt	180
tttgattgtt	cttgttaatg	tactttgtta	ggattaaatg	tcaggattct	gttcatacta	240
ggcaatttga	agaaaaagtg	tttagcactg	tttgcataaa	agaacaagga	gatgagcaag	300
atgaaagctg	gtttcaatgg	ggttatttta	agaaaccagc	tattttcaga	aatacatggt	360
gtttttttca	atgntataga	agctgngtaa	tttaccntaa	tcccttaacc	tcttggaacc	420
catacaagtg	ataagaaggt	tttatgc				447



<210> 1190  
 <211> 181  
 <212> DNA  
 <213> Mus musculus

<400> 1190  
 cccaacaggc tgggccacag ccaactgcac tacttgagca tgggtgggct ccagatctcc 60  
 tccttcaaac tggagtgagc ggcacctnag aagaccttac cccagaacc agcttnagcc 120  
 agcccttcan caagcccca acagaaccgg agcctttang gtctggggat ttttcccaag 180  
 g 181

<210> 1191  
 <211> 398  
 <212> DNA  
 <213> Mus musculus

<400> 1191  
 gatacaaggt gacacnaata tgacngacaa agtattttgtg acctgc nata ccancgtcat 60  
 gcatctanat ggaacgggtg aaggatgggt tgcaaagaat aaaacactca acttgggcaa 120  
 aggnntctg gacccacgag gnataatatca agtgnantgg gacatagcac ntgncaaaag 180  
 agatgtcnac tgtgcaagtc cnttaccgaa tnggccagaa ctgtgngnag ctagactngg 240  
 gnaccatggc tgntgtaatn ttcattgacc tnatcgnaac tctgctnctg gctttnggcg 300  
 actactgctt tgcangacat gagaccggaa ggccttnttg ggcttggttaa ggttaaagcc 360  
 ctgctgaana ttgagcagct gtatcagcct cttcgaga 398

<210> 1192  
 <211> 364  
 <212> DNA  
 <213> Mus musculus

<400> 1192  
 gcaaaggaga ccaacaacaa gcaaaaagag tttgaagaga ctgcaaagac taccgcgtcag 60  
 tcaattgagc agctggctgc ctaatgctga gcctttgctg agataacttg gacctgagtg 120  
 acatgccaca tctaagccac gcatcccagc ttttccagcc agggcctcct agcaggatct 180  
 tagagaagga gacagtggta ttttgaaact ggatatcaaa tattttttggt tttgctttaa 240  
 agtggctacc tctctttggt tttgtggctt tgctctattg tgacgtggac ttaagcaata 300  
 aggaagtgat gaagggacag tgttctctga caggacctgt ggggggtcggg gtgcctgtgc 360  
 aagg 364

<210> 1193  
 <211> 113  
 <212> DNA  
 <213> Mus musculus

<400> 1193  
 cagactgagg tgggggtcttt cagagagact tgatagcaca caccatggag gagctgtcgg 60  
 ggctggagaa gaatgtgaga gcaccaaaga atcccacagt atcaaaaaaa aaa 113

<210> 1194  
 <211> 346  
 <212> DNA  
 <213> Mus musculus

<400> 1194  
 cagaactgac gatcaaaaga tttgctgaac agtggactcc gagatcggtta nnacgaagct 60  
 cttcctgccc ttcctgacca ggctgtcagg taattcctgt gctccctca ctggtcgaag 120  
 tgattttcct tctcacttag tctgccaga ggctctgctt tctctgctca gtgtgcatct 180  
 tanggtggtg gttggcaagt gagcctggct gaggggaacac ataggggggtc ctgtctgtag 240

tacacagaca aacacaatca aaagtggggc aggaggggaag gcagccctgc tacctttctg	300
gggaatatatt tgaaagggtt tggttaatat tggaatctgc ctgcag	346

<210> 1195  
 <211> 126  
 <212> DNA  
 <213> Mus musculus

<400> 1195	
gactgagctc ccagcatccc aggaaaccta gaaccatgat gatagacca actgcaatca	60
agatattcac agcaatgaag gggttcgtgc tagagtctcc tgacgtgatg atctagaaaa	120
aaaaaa	126

<210> 1196  
 <211> 275  
 <212> DNA  
 <213> Mus musculus

<400> 1196	
acagcctcat gtccgactgc tgggtgcttca tnttctgcaa ggaacacggtt agaagcaatc	60
ctntgtcacc acagcatgat ggggcctcaa gggaggaggc tgatcaccag gtggacgtgt	120
ctgatggcat caggctggtt ccagacaaag cagaggccac ggctgctaca gcctcagntc	180
tcgggtccca ccagcaaagc ttctgtgtgc agcgcgcacg gcagttaccg cagaacctca	240
tgagtggaga gctcagcccg cagctgagac atctg	275

<210> 1197  
 <211> 401  
 <212> DNA  
 <213> Mus musculus

<400> 1197	
gaactgagag cctcaccaga aacttctgcg tcagctctca ggtgcatcct gggctaattg	60
caactcgtgc tccattccca actcatgggg acaactcagg cagtgtgtgc tggggcctca	120
tgtggggcct tcttcagaca ggaccctcca cccagtgca gcccaagcag caagaccaca	180
ttaacccttc tcaagtactt ttatttcaca cctcctgtgg ggcttccttg tctccaggac	240
tgggtagagc ctgagaagag agccagcctc taaagaacct aggtgtcac cggatgcact	300
gattgttcct aaagggttcca agtcctggc tccgtgcatt tcacaggcac agtgggcaga	360
gctgtaagct acattcaggc tccctggca ctcagggact t	401

<210> 1198  
 <211> 221  
 <212> DNA  
 <213> Mus musculus

<400> 1198	
ttgagcttct ttgttgagac tccataaaga gaaatgcacc aagaaacttc tgggtggtgtg	60
ctgaggcttc ttgccacttc tgcagactca ggctgattgt tagatgatgt cggctgaggc	120
atgacctatg gaggacctat gatgtttgaa aaaggactca atggacaata aaagaggctg	180
ggcttggtctt gctggtacag ttaactgttc aaaaaaaaaa a	221

<210> 1199  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 1199	
aagcctgagg atgctgacct gggaccagaa tggccagtgc ccagtaatct gaagtttata	60
gctaccaggg gcgaggatga gggcaggatt ccagcgcctc ctacgagcag ggccatcana	120

aagaagaggc ggcggcatct gctcacacac aacttcaggt aactagtgat acaacaataa 180  
acgtaaacgg cttaaaaaaa 200

<210> 1200  
<211> 377  
<212> DNA  
<213> Mus musculus

<400> 1200  
gaggtgtcat gctaaccttt gggaantttg atgtggagcc tgacacgtac tgccgatatg 60  
actntgtgtag tgtgttttaac ggancgtnga gtgacgactc tgngangctg gggaaatttt 120  
gcgagagacaa ggcccctagc cccatctntt ctgaanggaa cgagctcctg ggacacntng 180  
tateggatct natntgtgtag cgcaaanggn ttgtanacct cctacaggac cctgccacgg 240  
gattgccgna gagaaggagt cntncctgag tncaggggag gacgtacagc tntgggtccc 300  
ctgcccgcgc ttaccctnag tncaggaact gggccctann ttctcaacct gcccnctaaa 360  
ccttatattc ccaacct 377

<210> 1201  
<211> 323  
<212> DNA  
<213> Mus musculus

<400> 1201  
aaggaacaga accgatgtgt cctgtgaatc cattgnccct ngnaacaaca ggagggnaaa 60  
tccctcctga aacagancca ccggaccac cgatgactc cagcaccaca ttctgaaaan 120  
gaatctnnta tgtgaatata agganggact ttttactccc tgagggactt gangttgnaa 180  
nncggntctt gcttanctgt anaaatggac tgggatanng gctctagggg nggactgttt 240  
acacacttca ggaatctagg ggnacctgtt cnttgctaaa agaggctatt cngaacnttg 300  
gggcttggag tgccttgctg cga 323

<210> 1202  
<211> 224  
<212> DNA  
<213> Mus musculus

<400> 1202  
gcccagaaga ccatggttgn gagcagatgt gcggtgaacat gctgggttcc tttgnetgcc 60  
agtgnatcng ngntacacc ttgnetgang acgggaagcg atgtaccgct gcggactact 120  
gtgcctcaga aaatcatgga tgtgaacacg agtgtgtaaa tgctgaaagt tcctacctgt 180  
gccggtgccca cgagggattt gctcttaaca gcgaaaaaaa aaaa 224

<210> 1203  
<211> 207  
<212> DNA  
<213> Mus musculus

<400> 1203  
ggaaaaccaa tgttggaata atatcatagt ttgnccaact gatggagaac tggaaaatac 60  
tctttttcat caagtttttc agttcacccc gttttgttca tagtatgtaa gaatggacat 120  
cggctttgat gatacatgct gtctgtcata atgtataata tttaatgatt gaaattaact 180  
gtttggggat cctgacgctg aagtgtg 207

<210> 1204  
<211> 298  
<212> DNA  
<213> Mus musculus

<400> 1204

agactgaggt	ggggtctttc	nacacgcntg	cgcgaggccc	gncgncagga	at ttgacacg	60
ttcatcgtnt	ccncgacgac	ctttcacacg	catgagtcca	tcgcantccc	cg tcatcgag	120
gaggacgggg	agagtgactc	ggactcggaa	gatgccgac	tggaagatnc	tg ncttgant	180
gaagngtgcg	cgtncttttg	tccgcgtggg	ggcgcgntcc	ttgagnntgg	ccccggcnga	240
acctggtntg	cctttttgnc	ttatacccca	tntnctgttt	gctttccgaa	gacaagag	298

<210> 1205  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 1205						
ctgaggtctc	ctatgctcag	tcaactctcc	taactgtaaa	tcaacactaa	gagcactaga	60
agggttaaagg	tcaaggagac	tctcacaaag	gatccaggat	tctccttgt		109

<210> 1206  
 <211> 342  
 <212> DNA  
 <213> Mus musculus

<400> 1206						
aactgaggcc	cagagaacac	tgaagacata	catccccagt	gaagggcatc	attacctaca	60
aaggcggact	gtggaccata	cgacgagaga	agcccatcat	catggatgtg	tcccatcatt	120
tctatggcag	tcccaggatc	tcactcttct	tgatgctcta	ctgtttgatt	gttcatcggt	180
cacatacaga	aatgacgctg	gtttcctgtg	ttgaccttgc	accctgctac	tgtcatcact	240
ggcctggaag	tcagcagtat	agataaggct	ggccctgaat	tcaaganact	cacctgtttt	300
tgcctactca	gagttactgg	aattaaaggc	ataacaacac	ta		342

<210> 1207  
 <211> 137  
 <212> DNA  
 <213> Mus musculus

<400> 1207						
aactgaggca	aatgaccatg	gaaacagttg	aatcacaagc	aggatcgaag	tgtaacacag	60
ttctgtggca	gagcatagct	ctgctcatat	gcagactggg	caaatttctg	ttcctactct	120
agctcaggta	ggccata					137

<210> 1208  
 <211> 429  
 <212> DNA  
 <213> Mus musculus

<400> 1208						
gagaaagcgg	cgtaccgcct	tctgtatcac	ggatgcagcc	ctgtnctgct	ggagccanca	60
tgcntgagct	tcacgtcnag	tgcttaagat	cttgtgnnnn	ncccnagcaa	agatnggact	120
cgaacacanc	nganatnanc	ttatcatact	tnaagagagc	agnatggcag	gatnacttcn	180
gaggagcaca	tgcttttaaa	cagtgccacc	gcannatacn	gtgaaagcta	cgcctctgga	240
nccgtgngcn	gcaagtaaag	agactcaccg	gggacattcg	ttatttctga	acgcatntta	300
tacacacatt	cccagcttaa	tcacttttag	aactttaaca	tgaaccagag	tcaaattgctc	360
ttgagagaga	gaaaganccn	gagagacttc	tttttttgaa	ggnnnataaa	aagcttttaa	420
actcattgg						429

<210> 1209  
 <211> 190  
 <212> DNA  
 <213> Mus musculus

<400> 1209  
 acttcaagtt tgggaaaatn nttggngagg gctcttttttc aacaaaagag tatgagcctn 60  
 tgntgctgtt gcttggtgag cacaggggtc tcttgggatc atagactact gagaacacct 120  
 gactaggcaa tggtttcctt gtgcccctgt gggtgtctgc tgctgngcat tgccactaga 180  
 gtcttgggaa 190

<210> 1210  
 <211> 260  
 <212> DNA  
 <213> Mus musculus

<400> 1210  
 gaccacaaga ttgcagtatt ttacgttgct gaaggacaaa gaagataaat actccattct 60  
 caccaatata ggaggaagcc aagcatatga agattttgta gctggccttg gttgggaggt 120  
 aaaccttaca aaccactgng gcttcatggg aggccttcag aagacagaag cactggactg 180  
 accactccct attttgctac ctgcacagta gaagtaatat ttcattgtatc tacacgaatg 240  
 ccttctgatt ctgatgactc 260

<210> 1211  
 <211> 168  
 <212> DNA  
 <213> Mus musculus

<400> 1211  
 caccaccacc accgtctcca ccangtggca gaccccgccg cccagagacc agaggangac 60  
 tnttgagcgt cagataatga ggagcaggag gaccnatchn gataactgca naggngnta 120  
 tnatccacac gaaaattgga gatntcttnc atggtcagac ctcatgtc 168

<210> 1212  
 <211> 120  
 <212> DNA  
 <213> Mus musculus

<400> 1212  
 tgtgccagct ccacagccag cggcccgaga gagangttat nattgccccg gaagtcaact 60  
 gaaangaact ggcccccttg annnttcccn aaanacctgg caccacttt ccagccccga 120

<210> 1213  
 <211> 321  
 <212> DNA  
 <213> Mus musculus

<400> 1213  
 aaaaaacagt tccgttgccc nntgtgtgan aagatattca tgaggaggag acttntctca 60  
 ccaagcatgc ccggggtcaa ccgagttntt cccagtntgn atcaaaaaga tcaaaaaggg 120  
 gtttttgccc cccctttgng gggngctccc catggcaccc aggcaaanat ggntccccgg 180  
 aaggaaanan ntcccaggaa aaangantga cncntggaaa tttgccccaa aaaaggcccc 240  
 ctggccaaag naggncactt gttttttggc caaatattcn gatattctcc tgcentgttc 300  
 caaaaaagca cattggtccc c 321

<210> 1214  
 <211> 247  
 <212> DNA  
 <213> Mus musculus

<400> 1214  
 gttttttttt tttttttaag gggggggggg ttaaaacact accttgctcc ttgctncnat 60  
 ggnaattcac ggncttgcca atantttgn tgntgngncc ccnagtgcen tccgaganaa 120

tgacatnaag	agcttctttg	gtcgcaaagt	ggccatngat	gcntncatga	acattctacc	180
aatttcctga	ttgctgttcn	tcaggggggg	gatgngctgc	aaancnaggn	gggtgaaacc	240
accaccc						247

<210> 1215  
 <211> 171  
 <212> DNA  
 <213> Mus musculus

<400> 1215						
ccaaggatca	tgcattcatgt	ncatttgacc	caagagttgg	ggncngtggn	ggcntccnna	60
angggctgtg	tgttctgcaa	gaantnggag	ccngcttcca	aggaggatgn	ggncctggaa	120
ngggacttnc	ggagccaaac	ggctgangaa	cgctattacc	ctgacccccc	t	171

<210> 1216  
 <211> 335  
 <212> DNA  
 <213> Mus musculus

<400> 1216						
cactgaggct	aggganggna	agaggggtggg	cgatgtggnt	ggagcccagg	cctacgcctc	60
cactgccaag	ngcctgaata	tcagctccct	gatcttcagc	atccttatgg	tcattatctg	120
catcattatt	ttctctacca	cctctgtggt	agtctttcag	tcttttgcac	aaagaacacc	180
ccattctgga	ttctagctgc	cctgtgctcc	acgggtccaca	tctgccccgc	ccctgccccg	240
ccccaggct	caagcctcga	ccctttaccc	tacgcgtatg	caaattgttac	cttcacctat	300
ctgtccacag	nggattcaat	aaagtgcacg	gggtc			335

<210> 1217  
 <211> 312  
 <212> DNA  
 <213> Mus musculus

<400> 1217						
ctactgctca	aacaaggnaa	gctngaccga	acaaaaanac	gatttcaaga	cantgctcaa	60
atctaaccct	ancgnncagg	aggagaagga	agccgagtct	cacttgnaaa	anctgaccag	120
atgcagcggc	tgcgctccca	aacgctcgac	ncctttgacg	gngccgaata	cactgctgct	180
ataacccttc	cttgataana	atttaaaagt	ttggnttttg	ggatgcanaa	ctgcctgaac	240
tgggaagcag	aatgcttntn	aaaggaagga	agagcccagg	aaaaccntna	accgacttaa	300
aaggctggtt	tc					312

<210> 1218  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 1218						
acagtcagat	gggctcttcn	ctctccctgg	cctggaccag	ctccctgctg	ctgntgctgg	60
gaggcatcct	gctctgtgtc	nacatccnag	tatgcagaga	ctttccccgt	tgcattgaga	120
cccctagngc	tagaccttca	ggagccaaca	acgatacctt	anatgtttga	tggccagcac	180
actcacgtct	ggaggggaaa	acttntctca	gaggcctctc	tccaggttct	agaatcattg	240
aactggaggg	aggaaagaca	ggtctacgga	gctgcccaca	agctgtgtag	tggactctgg	300
atgcggctag	ctgtgtcagc	accatgctga	ggtgggcttc	ttgggtgctga	agctgccnag	360
nccttctaata	taagggaacc	caataaagtc	attgttcccc	taaaaaaaaa	aa	412

<210> 1219  
 <211> 389  
 <212> DNA  
 <213> Mus musculus

<400> 1219  
ggaagtgaca gcgagtacga agtggacacg aacacccaga aagcccactc ctttgtcaac 60  
cattacatca gtgacccac atattacaac tcttgccggc gccaacagaa aggcattctt 120  
cgggcccagg cctacagcta cacagagagt gattccggcg aacctgacca cgtcactgtc 180  
cccaacagca acagcaccca gcaaggcagc ctcttccggc ccaaggccag ccggactcca 240  
acgccccaaa accccccgaa tccccagagt cagcagagca ccctctaccg tccccccagc 300  
agcctcgccc ctggctctcg ggcacccata gctgggttct catccttcgt ttgacatcaa 360  
aagaggagaa agaatgggga gaaaaaaga 389

<210> 1220  
<211> 272  
<212> DNA  
<213> Mus musculus

<400> 1220  
gaaggacaca tgccgagtng gatggcngan actccctgag caattatnat ganngccgag 60  
ggggcccagag caacntttac agtgggtcct ctgccancat taaggccgct tatttcnncc 120  
ggttaccgcc ctaatctcnn ggatcganct tcnanatgcc ncggggggccn nggaccatcc 180  
tggtgctacta accttgacgg acctgnangc ncnanangat agtttggtga tgcattcaat 240  
agtatatgcc ntctgtaca gtccttatct cg 272

<210> 1221  
<211> 156  
<212> DNA  
<213> Mus musculus

<400> 1221  
gcttgctgct cgagatgtga gtcttcagat gttcctgccg ccatactctga cagctgctgc 60  
caagattccc tgggtgggatg gactcttata cctcaacaac cagaagccca agtaaactct 120  
tctataaatt gaatgactca tgcttaaaaa aaaaaa 156

<210> 1222  
<211> 433  
<212> DNA  
<213> Mus musculus

<400> 1222  
gaattgggag cccccaggct gtgaaaaact aggggaagtgt ctgacacctn ctgagtctgt 60  
ccctgagaag ngtttctggg cccattagcc aagaccagaa tctccagcca gccctgcaag 120  
tgcttgggag accttgctct tcggactgat gaatggaaga gaccagntgc cctctgcccc 180  
cccatccctg catggacggc ccctgcaacc aggtgcaagg ctccaagact gctcatcctg 240  
gagccctgac cctgtagtcc gctctcgagc accacagccc atcttgccaa ctgggttctg 300  
aaaaggaagc cggggccttg atcaccgtag gtacgccagc ccagggtctg aagcactgtc 360  
actgtccctg catacatttc aacctangtg ccgtacacaa aagtgaagat ttcagcgaaa 420  
tgccaaggaa gtg 433

<210> 1223  
<211> 216  
<212> DNA  
<213> Mus musculus

<400> 1223  
ggatccagac ttgccttata aattcttgaa ggcaaagaag gattgaaaca accaccagag 60  
atgtctgagc cacttggtga gaatgaaaaa cagcgtatgt acagtaagct tgcacacaga 120  
aggagggccg gtgactactt tcgggtttta tttttgatac aactttctat tcagtatgta 180  
atgaataata aagaaaactt tgtcctgtaa aaaaaa 216

<210> 1224



<211> 270  
 <212> DNA  
 <213> Mus musculus

<400> 1224  
 gagcctggac ctggctgtgg ccctagagcc caacgcctcc ttactgaana angcctgca 60  
 agcagcgctn agacatgtga cccactgacc atacacaagg acacaccgac ctgactgctt 120  
 gtctcataac acacagccat ctcaggagtn anctgcctnt gcccaacacc ccatgctctg 180  
 caggggcat attgactnca caaggagcag anaggaggcc ttgggtacca ctntgacaa 240  
 catcangata caggggctgt ggaggatgag 270

<210> 1225  
 <211> 474  
 <212> DNA  
 <213> Mus musculus

<400> 1225  
 ggcagctgat ggcaccggag ccgctagaga agctcggctt tagagaccta atggaaggga 60  
 agccagaggc aaaggatgaa tgttgagaag ggagccacag gaccttgctc ccagcctgga 120  
 gcagagctga gcccttctgc ccacagtga gggggacctg aactcagcc cgtgctgccc 180  
 cgtgcagggg ctctccctgg ggactttaga acatggctca cccctgcagc acacaccgaa 240  
 atgtttcttc tgttgacctc gggtcccttc tagagagtgt gtttttcttc cgtctgtgtg 300  
 tcacaggacc cgtcaggact gaaccctgct gtgatttgat atcccgccca gagggtgtgt 360  
 cacaccacag agcctggcc agcattccac agcgactcan cctgtcacag atctgagtcc 420  
 tnacactgga acctgtaatg aaaccaancg acaggaaaat gtccgctttt ggct 474

<210> 1226  
 <211> 266  
 <212> DNA  
 <213> Mus musculus

<400> 1226  
 gacacacaga gaacagggct gtgcccatta gacagaagag atttggtcat cacgctcctg 60  
 ggagacagac agaagacttg aagttcanca atccccctgc ctctgcaagc cccatctatc 120  
 ctaacactgt acccctggtg tgtgatctga ggatgacaag atccgagaca tccttgggca 180  
 gcttcacact gagatagaaa taaacccaaa tgaactatga aatggggcca taaataaagc 240  
 ctggaattga attctaaaaa aaaaaa 266

<210> 1227  
 <211> 342  
 <212> DNA  
 <213> Mus musculus

<400> 1227  
 gcaagcccgg cacgtccgag cagcacgaga agcgtncaatt gacaggaccg gagaaggctt 60  
 ccatggactc tgacactgta aagttggta agccccacaa agaggccatg gtcgccgacc 120  
 tggatgcggg cccagggatg ctggaaccct gtgtgctgcc ctgagccaag gaaagatctc 180  
 ctgtgcgtga tcaagagagc cgttcgaatc gtgacagccg tgacagccgt tctctgatga 240  
 ccctagtcca ctcagtctct atgttcatgt tctccatgct acagtccggc tggcgactat 300  
 gtaggtggaa gtgntnaatn anngctggct catacttcta cc 342

<210> 1228  
 <211> 199  
 <212> DNA  
 <213> Mus musculus

<400> 1228  
 acaaagccac ccaccctctg acttctatct actttacaat gatgttagcc cccccccctt 60

ncagaatnag	nnaaatgggg	gnttngggtn	aaagaacngn	angannggag	tctggacgat	120
cagcnnntccc	tgcaggtgaa	gaagactcat	gaactcacca	atcctggant	tgccgaagtc	180
accatgcggc	cagaccaca					199

<210> 1229  
 <211> 380  
 <212> DNA  
 <213> Mus musculus

<400> 1229						
ctccttcacg	ggtcttccat	ccccctccnc	ttgcccgcgc	ggtactcctc	tctaaagncg	60
cctgtacccg	ctgggggttc	caagggtaac	agtaaccctc	tcagtcaata	gncagcgnaa	120
cagnaagtcc	ctcaatggtg	ggagnatgna	gnactcccat	cctanctttg	gcctctcagg	180
naagtaaaaa	ctggnatcca	gcaccagggn	aattagctcc	gaccaccccc	ttgttcttcc	240
gatgctgtgt	ctacggcnact	tggccacagc	aggcctgtgg	gtggattcct	ggtgctacca	300
cctgccgnac	caaaagccgg	atcaagggat	tggaaacttg	ttgccattct	cancaggccg	360
anaccgtgga	ggctgtttga					380

<210> 1230  
 <211> 243  
 <212> DNA  
 <213> Mus musculus

<400> 1230						
cagattcctt	agggagcatt	tgcctccata	tgaataagtn	taccatnaen	gtggnaagcc	60
naattacagg	acacattaaa	ggaatgctgc	ttactggctg	gctttctgct	tctgctcatc	120
ttgcctgtac	agnctaagnc	cgaatgccat	ggtggaactg	ccatgggtggn	cttgccctc	180
ctnaccaaatt	aatantaaca	gttattagta	gtattataat	gaacacccca	taaacatgcc	240
cat						243

<210> 1231  
 <211> 193  
 <212> DNA  
 <213> Mus musculus

<400> 1231						
cgtggctgct	gaccaggnc	ncaggcttct	aaactggcgc	gccctggaga	gattcggcca	60
cttganctag	ctganagctg	tgnacatggc	cctgtatggt	gcggaacaag	angactgggn	120
aatgcatctc	acatggccnc	gggcnnatnc	ntacacatnc	tggaaggaaa	cttgctcaaa	180
actagtggac	cct					193

<210> 1232  
 <211> 152  
 <212> DNA  
 <213> Mus musculus

<400> 1232						
gcttagagca	cgacctaaan	aactacttct	aaacaggtec	acacacgccc	ttgncctagt	60
accggtatct	ctccnctacg	ctctgntggn	gctctanaag	ggagatngnt	gcattnaaga	120
accccaaata	aataggctt	tgaaaaatca	aa			152

<210> 1233  
 <211> 492  
 <212> DNA  
 <213> Mus musculus

<400> 1233						
acactgagac	ttttcagaaa	agaagatgga	ccagcctagt	gggagaagtt	tcattgcaagt	60

attgtgtgaa	aaatacagtc	ctgaaaactt	cccttaccgc	cgtggccctg	gggtgggagt	120
ccatgtccca	gccactcccc	agggtctgcc	tatgaaagat	cgcctcaacc	tcccgagcgt	180
gctcgtgttg	aacagctgcg	gcattacctg	cgcgggagat	gaaagagaaa	tcgcagcctt	240
ctgtgctcac	gtgtcaaaaa	ctcgatcttt	ctgacaacaa	gctccaaaac	tggcatgagg	300
tcagtaagat	tgngtcaaat	gntcctcaac	tggagtttct	aaacctgagt	tccaatcctc	360
tgagtctgtc	anttctanaa	aaaaaatggc	tgggtccttn	tntgggggttc	gcaaacttgt	420
cctnaacaac	agnaaangca	ttatgggaaa	cagtgcacac	catactgcag	gagttgccaa	480
agttggagga	ct					492

<210> 1234  
 <211> 456  
 <212> DNA  
 <213> Mus musculus

<400> 1234						
cactgaggaa	agagtgggtca	cctggaatth	tgtgacaaag	aaatacatct	atgggaaccg	60
ttatgagaat	cgagtggagag	tatctaacga	tgctgagttg	tcaaattgcct	ctatcaccat	120
cgaccagctg	accatggacg	acaatggcac	ctacgagtg	tccgtgtcac	tgatgtcggg	180
ccaggatgtc	aacgccaaagt	ctcgagtccg	cctcttggtc	cttgaggatt	tcaaacaaat	240
ggcaagaatc	ggtgttaaate	tgaaacctga	ttctgctggt	cctccaacca	aactccggcc	300
cgtacatcaa	ggaccaccta	cttttaaaaga	caatcagatt	aacccgaaga	gttaaggcta	360
cacgtttaat	atganaagta	tnggaattcg	ttgaaactaa	cctcttgctt	taaaaaaaat	420
tacatgttaa	taaacccagc	aatattcttt	gtggggg			456

<210> 1235  
 <211> 162  
 <212> DNA  
 <213> Mus musculus

<400> 1235						
gactgagtga	gaaaaacatt	tggaagctct	gtgagtacat	caagacacac	aaccagtatc	60
tgttggagga	gtgctatgca	gtcttcataat	caaattgagaa	gaagatggta	cctattttgga	120
aacagcaggc	aagacctgag	aatggacctg	tgatctggga	at		162

<210> 1236  
 <211> 406  
 <212> DNA  
 <213> Mus musculus

<400> 1236						
agactgagta	tttggaatg	aaccttggac	tttaagaacg	cttggagtca	ttgaaccaca	60
cccaactcct	attctgacat	ttcactgcta	tccaggattt	acagaaaatg	ttagaaaaac	120
tctgcagcaa	tgattattttg	aaattttataa	agcctttaca	aaaatgtgaa	gaaagatgta	180
tatatattgtg	gcattcttgat	ctctactata	aattgcgaaa	tgattggatt	gagcttaagg	240
tattaaagct	tttaattaga	aaattttataa	taaatgatgt	tctggatatg	tcatgcatgt	300
aactttggag	aaaaatgtca	actacgtgta	acacccctg	acttgccatt	atacctatta	360
tggaattcaa	ggaattttaat	acacctgnct	aggttaaaaa	aaaaaa		406

<210> 1237  
 <211> 174  
 <212> DNA  
 <213> Mus musculus

<400> 1237						
aagtatttat	ttcatgtcta	tgacagttct	gcccattgttc	acgtgcatgc	ctggtgctgg	60
aggatcanac	gaaggngttg	gatctggcgt	taaagagggt	tgcaagctcc	aggaatggan	120
cctggatctt	caggagaaac	agaaagagct	cttaaagaat	cccaaaaaaa	aaaa	174

<210> 1238  
 <211> 323  
 <212> DNA  
 <213> Mus musculus

<400> 1238  
 gaagagtatt ccctcnnagc taggagactg tganaaatcta gagagactgg actgntcttg 60  
 gaatctggac ctgatggatc tcccctttga attaagnnat ttgaagcaag ttacatttgt 120  
 ggatatctct gcgaacaagt tctccagcgt tcttatctgt gtcctgcgga tgtgtcgcct 180  
 gcagtggctg gatatcagca gcaacaatct gagtgacctg ccacaagata tanacaggnt 240  
 gctacngnna ttngnangcc tgctgtanta naacaatcng agctnctnnn naccagcctg 300  
 cttacctttc tgaagccaag ctt 323

<210> 1239  
 <211> 392  
 <212> DNA  
 <213> Mus musculus

<400> 1239  
 cagtgcctact accttcagac taagcattca agcctatgag cccttggggc aattcttatt 60  
 ccaaccacag cacatgggtga gaaaggtaaa acaacaggaa cataagcagc tggtcacgtt 120  
 tcttctacag tcaggaagca gaagatggat gaatagctgg tctcagggtg ttctctgata 180  
 ctgcagcatc tcagtcaaac agatgcttcc aactgcaatc aacagacctn ctgaaatcaa 240  
 tttaattaat caagataaat tctacaaatc aacaagaggc ttgcaaatca natgattcta 300  
 gaactgatgg tactaacaat ggagatacaa gaattacttc ttgatctttg tacatataaa 360  
 acacagttta ttaaaaaaatg taaaaaaaaa aa 392

<210> 1240  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 1240  
 acgaggacca caaggcagaa aggagaactg aagaatccaa agccccagtg tacacacatc 60  
 tcttctgact cttccagcaa gacggccctg ttttccacta ttccaggatc agacngaggt 120  
 canaggtcaa cttccaaccc acttccctcat gtgcaccctg ccct 164

<210> 1241  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 1241  
 cgagattatt gaggcgngna atcggntgac gcttcccgtt ccttcataa tgggtgtgggc 60  
 atctntccaa natgaccctt gatcagnact cagagccnaa ctggagggna ganntgggct 120  
 aanggccag gctgactgca ttaccnctnc cttgannaga cttatacgct atcantntan 180  
 atataggaag agaaggcctt 200

<210> 1242  
 <211> 220  
 <212> DNA  
 <213> Mus musculus

<400> 1242  
 acatggcaca gccacctctg tataaatatt ggggccacac agctgcaaag gcatctcctg 60  
 caggaggacc taattgagga ctgcttgaga ccaaggatta tttatgtaaa caatgtcagc 120  
 caaactgctg ttttggggac caatggggca cgagtagagg gtattaaagg agcttgcagc 180  
 agttcagatg agcgtgctgc tgaagtctca aaaaaaaaaa 220

<210> 1243  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 1243  
 aaccagcata tgtgggagac ctgacaaccc ggctgtgtg gaggtntcac aagccaacgc 60  
 ccancacag gggaccnact gttcctggna ctggaangtg tgngatacgg ctngtcttn 120  
 tacaatgctg agagagggtg ttaataccccc 150

<210> 1244  
 <211> 350  
 <212> DNA  
 <213> Mus musculus

<400> 1244  
 cctcgtgatc tggacaagcc ctatgctctc cctgcattgt gggaccctga gtccatgcct 60  
 gcgtctggaa tgctgttgga agcctgttcg tgcctttttg ttaccaagac tcagacagca 120  
 tagaatctac tcagcatctc cttcgccaca gcctcccttc cccaacatca cattagcctt 180  
 gagttgtgat cgactggcag gagccctagc aggctgaga atagcatctg tattatggta 240  
 gaaagcccag aaatgaaccc tggggagagg ctctggagtt ggcttgaga aggagagagc 300  
 attactatgt tgataagagg gaaacatgga agaccaaaca ggagacacag 350

<210> 1245  
 <211> 248  
 <212> DNA  
 <213> Mus musculus

<400> 1245  
 gactgagatg tgttttttaca aggcaaacag ttccataagg ccttggaag cactactgtca 60  
 ccccaggaga acctaacagg gggagaagag caccocagtg gtggctacat cgaaagcatc 120  
 cagcatattc tgacagaagt cagtgggtgtg caagctctgg agagtgccgt ccagcatgag 180  
 gccttgaagt atgtagggct gctggactgt gtggctgtgt accggggcaa gctgcgtgag 240  
 attgattg 248

<210> 1246  
 <211> 341  
 <212> DNA  
 <213> Mus musculus

<400> 1246  
 acggcaggaa atggagccat tgctttctct gcaaaaagng tgtgaagcct tcctggatcc 60  
 attgtaacac ctgcaatcgc tgtgcactcc cagaccattc ctgtttgggg cctaaagatg 120  
 gctgctttat ttgtgggtgcg ctggatcaca aacgcagcaa ttgtcccaac atcggcacct 180  
 cttggagagc taacaagnta gttgaattct ttggctttct ggaaaaaaga ttgctcatgt 240  
 caagcttcct aggagcaatc tacagaagta caaagctttc agaggactca gaatttttca 300  
 gagtgtctaaa tcgttcctct caccattacg tgagatgcca g 341

<210> 1247  
 <211> 352  
 <212> DNA  
 <213> Mus musculus

<400> 1247  
 ggcagggaac tgtgagaaan ttgctcctga cagcgcacct gntccttca tgaantgaat 60  
 ntgaatnttg atctacacan atncccggtt cttcttgact gtgggtgactt gcancatcct 120  
 agcagccnta tcangaggaa aatgagcang gctccngcen ctatgcctgn nactggtnct 180  
 gncaccatgc caangctctg nacatntgnt tcctcngaag cnnaaacnga agnncctgna 240

aacataagct	cggagatgcg	tgcacaccca	ggacagaagc	ctggacagga	tggcttccaa	300
accacactta	acaaccctcg	catgcccnga	gatgccagga	cttgggaagg	gg	352

<210> 1248  
 <211> 243  
 <212> DNA  
 <213> Mus musculus

<400> 1248						
gaactgagag	aatgtcacta	acagcacggg	cggggggcagc	gcanagccgg	aacccgagga	60
gttgagcctg	gtgaatggct	ggctcagctg	taaggcccag	gatgagattc	tgaatttggc	120
cttcaccggtg	ggctccttcc	tgctcagtg	catcacccctg	cctctgggca	tcatcatgga	180
caagtatggt	ccaaggaagc	tcaggctgct	gggcaggggct	tgntttgatg	cctcctgctt	240
gct						243

<210> 1249  
 <211> 232  
 <212> DNA  
 <213> Mus musculus

<400> 1249						
gtggaatctt	actactcgct	gnaaggaatg	ngactacaca	agcacngngc	gacgctnnga	60
ctcaananaa	gctnaagctg	tcactgnntc	nctatatgaa	ctacacgtga	ntaactcctt	120
ttttctnatg	tctgactnnt	gtgncnctat	ctctnttttt	tggagtctgt	ctaatttcat	180
ctgtttggat	tgctttttaca	cattaataaac	caattttttta	aatgaaaaaa	aa	232

<210> 1250  
 <211> 317  
 <212> DNA  
 <213> Mus musculus

<400> 1250						
ctgagggaga	agttttgcgag	gggcagccca	ggttttctgga	gatgatgcgt	aggcagcaac	60
atgtctggga	tccgaaggca	aaggagccgg	ttcgccctgtt	ggggacaaca	ctttcttctc	120
tatgaccatt	tcgtgattgc	catcaaagac	agcggcccac	gggggtgctg	cggattgatc	180
atcccagacca	atgaggaact	gtccgttggt	ctctccgatt	ttcttttgta	ttatgtctgt	240
tacactttcc	agttttcacgg	gtgaatcgat	gcctgtagta	attataagaa	gaaactttat	300
ggaaaaaaat	caaacgg					317

<210> 1251  
 <211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 1251						
ggcctcgca	gaagagagcg	cgcgcggggc	tggccggggga	cgcgcagtcg	attggccgct	60
cctcgccgct	cgcagctccg	gctcggacca	accgcggagc	tgtgcctgga	ctcctcccgt	120
caccaggagt	ggtctcgaga	gcccgtgctc	gctgccttta	ttcagagtgc	gcctgcgcag	180
tagcaaagct	tgcttttgct	ccaggaccgg	ccccttggtca	gtcatattgc	tagccaatcg	240
cggcgtcagc	cagtcataaa	gggcttggtt	tgtgcaaccc	caattctgcc	agncatttat	300
tttaaccttn	cgcaggcatt	cactgccagg	ggtggaccta	gagccatata	tataggggct	360
tagccagcac	cctg					374

<210> 1252  
 <211> 178  
 <212> DNA  
 <213> Mus musculus

<400> 1252  
gactgaggta ccaaccactg tgtgtgacct actaaagaaa ctacatggaa aatacaangc 60  
gtgtctgtct tactgagtga gagaaagtga atcaagcata aacattcaga ggcctgaccc 120  
agtatacagc aggtatcnna cacaaacctc tggctggagc tgcatagaaa aagaaaaa 178

<210> 1253  
<211> 272  
<212> DNA  
<213> Mus musculus

<400> 1253  
ttactgaggt gccaggccc gtggttctcg tccagctgga agggagggct gagctgctcg 60  
ttgttctcag ctgaacacag cacaggctcc agggatagca tgcagagacg aagaggaaga 120  
acagagaggg ccaggaagag acggcggcga agctctggtt caagagcagn gaatgagagc 180  
tacagatcag aatttataga gctaanaaaa tggctgaaag aaaggaagtt tgaagacaca 240  
gacttagtac ccgccagctt tccaggtgag ag 272

<210> 1254  
<211> 310  
<212> DNA  
<213> Mus musculus

<400> 1254  
actgaggcaa ggcaagacag tcatgcagtt ccaaatcgtc actggctgca cagcgtcgaa 60  
ggccatcgtg gggttcctga aactgtctcc cagaaaatca aattctccgg ccagaaagag 120  
ttccgttggg aaagtagctg cctgacatac cgtgtgccct ggaccccatc ctctgagggc 180  
ggagacttac aggtctcgtg taccaacact cctggtttta tatgggtgag aggattgtcc 240  
caaattcaag gtcagcttgg actacagaat atgacgatgt caaacgaaca agcaaacaaa 300  
ccaaaaaaa 310

<210> 1255  
<211> 115  
<212> DNA  
<213> Mus musculus

<400> 1255  
gagaaatctt tctttgactc agaagaagag gcacttggcg aggtcctcca acaagtttgg 60  
tgatcttaag tatgtccgag ttgtcttgca tccagacaca gagcattcta aaggt 115

<210> 1256  
<211> 377  
<212> DNA  
<213> Mus musculus

<400> 1256  
ctgcttcttc tttgggaagn aatgngcgca ctgagaggta tcccaaattc ncangnacc 60  
cganganggg cagtngcgg agccantctg aaactganca cnnncanac gtnanancnc 120  
accggtctnn tgganggaac gcagggcctg tctancttac cttgggtgct nccccgtgca 180  
tntcncaacc tatctcctca ccggtaaacc atatacacag cagacccaac ccagccagga 240  
ctatcgaatt ttatctgtag cctaactcca ttcgtgaaac tgaaattctt ggaaacaaat 300  
actattttta atatacctatc tcattagatc tgctaaatat atttgcctt gnacttactt 360  
ttatatggaa atataaa 377

<210> 1257  
<211> 237  
<212> DNA  
<213> Mus musculus



<400> 1257  
ggaatggcca gtgaggactt ggaacctagt gaagaactag accagccctg ttttgaggag 60  
tcattagaag acgccctgag ngacnancnc anttgaggtn ttggatgtga tatccantga 120  
ggagctggac cttattgaag atnattcaan gtgaaggctg tacgtggngc cagggctaca 180  
cttctcantg aggacctggg acctggtctt ccacgaggaa ggaagcccag tctctgg 237

<210> 1258  
<211> 249  
<212> DNA  
<213> Mus musculus

<400> 1258  
actggtaata tgcagactgn cggcccggcc tccctggtgt gaagcttgcg gtagttctga 60  
aacagctccc tggccagcag tgcaccactg gagaatgtct tagaaatcca aactctctga 120  
tccccgcaga atcaggaaat ccagagggtg agtacagcag catgggcttt acaaaccctc 180  
aggggaagatg atgtgtgtag aacctggttg gccaccgttg tgcaaattaa aagaattcac 240  
acaacctgc 249

<210> 1259  
<211> 299  
<212> DNA  
<213> Mus musculus

<400> 1259  
tgcctctgga caatgggatac aaggaagcca aactccctgc ccaaggaaac aagggtggcc 60  
tctactccag ntcccaaaag agtactcctt tccatcagaa acctcatctg catggccttc 120  
agacgacaca ctccagcag ccttctgggt ctctgagccc ccaccacac tgcctgcat 180  
cttacagtag cctgcggctc caaactcttc ctttccctcc taaccagccc caaaagctct 240  
gccacgcgtt cacgggcagt gaaataaagt acattttact ttngaaagaa aaaacataa 299

<210> 1260  
<211> 211  
<212> DNA  
<213> Mus musculus

<400> 1260  
actgagagtc ttctgccccca ctcccaccat agagggtcagc tccagggaag acttttggtcc 60  
tagaggtcac caggccagcc caggccattg cagaggaaat cacatcctgg gctatttgag 120  
ttctgctggc gntgattctg atggggaaga cacttctgca tctgcaatga caagtcaata 180  
agataaagct gtgttttttaa taaaataaaa a 211

<210> 1261  
<211> 148  
<212> DNA  
<213> Mus musculus

<400> 1261  
agactgggtt cagttcttga gactgttcct ctctgctgcc tcagagcacg attacactct 60  
ggagtacctc tttcttttgat cgacctatgt gactcagaac acccacatat gagtttgaaa 120  
caaacgatca aataaataaa cgaatgaa 148

<210> 1262  
<211> 233  
<212> DNA  
<213> Mus musculus

<400> 1262  
gagtatggac aacttggaaat ggattcttct tcangtctca ccattaaggt caatgagagg 60

gcaagcagac	agtgcaagtt	accanaaaga	ctgcaaagtc	caactaaagg	gogaanggag	120
acaccaacca	tancatcaga	agtcacggct	ggccggggcc	aggctacacc	ccgtatacta	180
agggagaagt	ggctttacta	ataaatccat	gtttgaacct	ggaaaaaaaa	aaa	233

<210> 1263  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 1263						
ggtcttagaa	aaatacccta	tgtggcaaga	aaggccgatt	tcttacctat	tggagaacat	60
ttgtctctaa	ataaaatctc	aatcgttcca	gagaaaaaaaa	aa		102

<210> 1264  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 1264						
gaaattctac	ccccctgttc	agcttcaa	caaacacaaa	acnactgaag	aaaanaatag	60
gangagggag	agaangggga	anaagagaag	gacagtaatg	aagataggat	gaacaacagc	120
tctttgtcac	cttttgact	ccaatgcatg	ctcagtgaat	tggaataatg	ttgatctttg	180
gaaatattta	gaangaccct	atgaaaatgg	gatgatgaac	ngntctttgt	cnccttttgg	240
actccaatgc	atgctcagtg	aattggg				267

<210> 1265  
 <211> 270  
 <212> DNA  
 <213> Mus musculus

<400> 1265						
gttaagattg	ctgaggagnc	tctccaaatt	agancttgcc	tggaagnngg	tacaaactca	60
ttgaggtgcc	cagaagaaac	gactanagat	tagtttgaag	cctcgcccaa	gaaanacatt	120
atttcccca	atcttgcca	agcctggg	ccccaggct	tattgccaat	ggaagcctca	180
agcctttttg	gtggagttn	gntaattctt	attatntngg	gggagtggga	cggtttcaag	240
atttcaaggt	taccctttgg	gaaggtaaaa				270

<210> 1266  
 <211> 259  
 <212> DNA  
 <213> Mus musculus

<400> 1266						
agactgggat	acaaattgga	agacctgaat	agngaggaac	actctcagcg	ctctanaaga	60
tatggaagac	ataagatctg	tcactctgaa	tacaagcctt	gtgaacttaa	gggatatgga	120
aagaagcaat	gtacctttgc	agataaaaagg	tttcttcaaa	tatatggan	aatccatact	180
gaagggaac	cctatgaatg	taagcaatgc	agtcaaactc	tcacaaattt	ctgtcatctt	240
cgaaaacatg	aaaaaaaaac					259

<210> 1267  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 1267						
ccctaagggg	ggggtangat	gtatgaangg	ggggantggg	aanatngntn	ttatganngc	60
ggggggaaaa	gaaagtacct	ncacagtcct	tagagaacgg	ganagctnaa	gancgcttta	120
aaaaaacaaa	a					131

<210> 1268  
 <211> 226  
 <212> DNA  
 <213> Mus musculus

<400> 1268  
 aagagcgatc ttgcagagga cctgaattta attccaagga cctgnttttt attcccagca 60  
 ttnataccaa ataactgcac cangtccttg tgatgnncca nanntacata tgganggcnt 120  
 gnntgnccat ttcnatcacc gttccttcta aataccngag ttcntgtcca aggacctgag 180  
 ttttaattccc agcattenta ccaaataaat caccaagtac ctgtaa 226

<210> 1269  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 1269  
 gccagcctgg cctacattga naaacctcat tttgggaaag tgaaatactt tgtcaattaa 60  
 natgcacttg gttcaatana gactttttgga aagngtccaa aaataaaaaa 110

<210> 1270  
 <211> 196  
 <212> DNA  
 <213> Mus musculus

<400> 1270  
 tttgccccca tgcatacccc tcacannngn acccactttg ggnngggcaa ggnttccttg 60  
 ttntgccccaa ggaaagcggc gctacnctg caagcanagn tggttacggg ggggnaaaca 120  
 aagccanttt tttntaaaga nggccaaacc cacaaaaaaa attgtcctca ggnttgggng 180  
 tgttgacccc actgca 196

<210> 1271  
 <211> 320  
 <212> DNA  
 <213> Mus musculus

<400> 1271  
 gactacaaaa catganngtc aatccagctt cctgtngcct aagagangag gagtcaatta 60  
 ttngtngcct ggncataaac tactaattca gacnnacaa aanttattnc agaaagaaga 120  
 aacaatgtaa ctcanncact gggaggaccg aggtcnnggn gaagagggag gtgggaagag 180  
 catggcctgg ccacgatttt tgcagagagg agctctccnc accagcttca gccatcacca 240  
 ccttgctgtg tncctgctca cgttcttcag gtantggctg gctgacactc ttgtcttctg 300  
 cctgtgggga cgatacttac 320

<210> 1272  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 1272  
 tgaataaggc cagagctggc ctacattgan aancctcatt ttgggaaant gnaatacttt 60  
 gannaatgaa ccccgccccc cggttcttta aanacttttg gaaagngtca aattaaaacc 120  
 ttgatca 127

<210> 1273  
 <211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 1273  
 ggtccacgtt tggacgccag actggttgaa gctgacctcc ggctcacaag aaacggggta 60  
 cacctgggag gcaaaactgg actgaaaaga gaggggaact aggcagtcgg gagaaaaatg 120  
 gagctaagtc aagattcatg atcaaagctc aaatgtttta taaaagtctg ccatgccaaa 180  
 aaaaaaaaa 188

<210> 1274  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 1274  
 ctgaggaaac ctttactgan gtnccattgg gctgagntcg annctgggca ctagggcata 60  
 attacttctt ggggaactct caaaggctcg acaggacca caa 103

<210> 1275  
 <211> 183  
 <212> DNA  
 <213> Mus musculus

<400> 1275  
 ttggaaagca agcaactgct tgcttgaacg gaggcctaca taaaccccag ggacctagcc 60  
 ttctccccgg ggtagccat ttcccaagat gtngtaagga ggtcacatgt atagagtctg 120  
 gcagctttgc aggaagctaa tatccaaatg aaactcagca gccctcctt tccagcttc 180  
 acc 183

<210> 1276  
 <211> 450  
 <212> DNA  
 <213> Mus musculus

<400> 1276  
 gactgagtgg actatgccga ttattaccag ggcctatggg attgccatgg tgaccagccg 60  
 gatgaactgt ccttncaacg gggtagacct atccgcattc tgagcaagga ntacaacatg 120  
 tacngctggg gggtaggana gctgaacagc tgnattgga attcgttcca naggantatt 180  
 tnaccaccga ctttgaaatg gaaggaatat tgaagccan ngaacatatt ctcagaccat 240  
 aagaaactnc cgtcccctac tntggccatg gatccttctc ttccctgaat ggagccaaga 300  
 ctntnctgtt tcctgngact ttaanccact gttaagatga gtaggaagaa nacagnncat 360  
 caatacctgt ttctnaagca ancagcttct aacttcctgc cctctctgtg nccccacatn 420  
 cataagcctt tcctacaagc ctgctacaaa 450

<210> 1277  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 1277  
 gccagcccat ctctgggtag cccctggag gggttgctga gaaagggtgct ggccccttga 60  
 tcccctccct tgctttctgt catcctttct tctcatgtcc acactgctct tcaaataaaa 120  
 acatttctcc tgctccctta aaaaaaaaaa 150

<210> 1278  
 <211> 479  
 <212> DNA  
 <213> Mus musculus

<400> 1278  
 gagcgtggat tcttctnaca cccatgtccc gccgcgangt ggaggacca caaggtttct 60

aatgaagaga	ctgtgtgtgt	caccgctcat	aagagagaaa	aagagggagg	gaaggagaga	120
gctcttttaa	caaaagacaa	ggaggcccaa	gtaggggcct	ggagccgtcc	cggagcctg	180
ctcagcctga	agaccctcca	gttccccggc	tgggcaggca	tttcggagag	ggtctgccac	240
cgaggcggaa	cgggccggcg	ctcgcgcttc	ccgcggctgg	agaagaacta	gagacaaagc	300
cgggatccaa	ggccttccag	cgaggctcca	atcagcgccc	gcccggagct	cgctcgccgc	360
cgggcgaggc	gcgacccctt	gcgggctgtg	actagggagg	ggagcccagg	cccggactcg	420
gccttccagc	cgccctggct	agccctggct	agccacgttc	ccccggtcgc	actcagcct	479

<210> 1279  
 <211> 177  
 <212> DNA  
 <213> Mus musculus

<400> 1279						
tggggggacc	gtggcttctt	ctacacaccc	tgtccccgcc	gcgaatggag	gaccacaaag	60
ancatnaggc	nnatgggttt	tccatctntcc	naaagaccac	ncgtncaaat	aagtcaccag	120
tgantnngag	ttccaagnag	gctnttttgg	ctngtaaaac	cccaaagaag	actacct	177

<210> 1280  
 <211> 285  
 <212> DNA  
 <213> Mus musculus

<400> 1280						
gtgggggagcg	tggattcttc	tacacaccca	tgtccccgcc	cgaagtggag	gaccacaaag	60
atcttctacc	ttgcctcact	cctctacacc	gtcagctaca	tctggtgtct	gtactcggag	120
ctgaggagga	agagcggcca	gagtgagagg	agcacggttg	cccaggtgac	agattatgtt	180
tgccaagggtg	gtcacatatt	gttccttttg	ccaagtgaga	cccccaaagg	ggtgatgacg	240
cctgtgntcc	ttttgggcaa	tgncaatgaa	tgtttccaca	acttc		285

<210> 1281  
 <211> 350  
 <212> DNA  
 <213> Mus musculus

<400> 1281						
agcgtggatt	cttctcacac	ccatgtcccc	ccgcgagtg	aggacccaca	agatttatca	60
agaaaaaaga	acggagatat	ccctgtcagt	gtcaatgaag	atcctccaaa	agattgattg	120
gagagtcaat	gatccaagaa	gacttagagg	aggagtttca	agacaacca	ctgtggactg	180
gcctcentgg	ctttctgcct	tacctacttc	ccctccttga	tcccttcctc	tttctcctcc	240
ctctcatggt	gggcaagatc	acacaatcct	tccaacagcg	tctagaggac	cagctctcag	300
agtagcagaa	gatattatgc	aagctgccaa	gtgagaacca	caaaggagac		350

<210> 1282  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 1282						
ggggagccgt	ggattcttct	acacacccat	gtccccgccg	gaagtggagg	acccacaagc	60
cgncntcatn	tccaccgatg	ngtttancta	ctctgnanac	cttcttgcaa	caggagacat	120
anggtggcgg	agntgttatt	ttccagcggg	aacaca			156

<210> 1283  
 <211> 266  
 <212> DNA  
 <213> Mus musculus

<400> 1283  
 tgtcccgccg cgaagtggag gacccacaag gtaagcctct gctcctgant tanttctatc 60  
 ccaagtgaga accacaaagg ctcgagacca tnagcggcct cttgcatata ctttccagtg 120  
 nntttgtcag agagatccga cagagcccta gctcctncag aggtgggncca naaagcgagt 180  
 gacgagagcc cancagacat ggtaaaaatg accangtcca aaactttcca agcttatctn 240  
 ngencactgt caccggaact tacagc 266

<210> 1284  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 1284  
 ggggagcgtg gattctttct acacacccat gtcccgccgc gaagtggagg acccacaagt 60  
 tccaaagagg tgcttgagct cgagtcctca aannnnngnn nnnctggcag cntttgcggt 120  
 atatttgnaa acananaccc tggtnaccct agaggctntt acagagattc ttggcattga 180  
 acca 184

<210> 1285  
 <211> 121  
 <212> DNA  
 <213> Mus musculus

<400> 1285  
 gtggattctt ctacacacca tgtcccgccg cgaagtggag gacccacaag cgattgagaa 60  
 gattgtctac caaatntaga acagactaga tttatcccac agccactgga gaaaaaaaaa 120  
 a 121

<210> 1286  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 1286  
 ggggagcgtg gattcttcta cacacccatg tcccgccgcg aagtggagga cccacaagtg 60  
 gcttgagctc gagtcctnac accggagcca aaaagaagaa aa 102

<210> 1287  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 1287  
 gtggggagcg tggattcttc tacacaccca tgtcccgccg cgagtggagg acccacaaga 60  
 atcattaagg aaatagaatc tgccaaaatc aaatatatgt tctatttnct actaacagga 120  
 ggcccnaccn ngaggaggga gacngncaga ggattattct gatccagaat cgagacagta 180  
 atccagaggc ccaacctccc caagtgagaa ccacaaaggg agtaccac 228

<210> 1288  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 1288  
 gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggaccac aaggtggggt 60  
 ctttcagcag ggcctcggga aatttcattt gatagtcgga catgatggct acgccttcaa 120  
 cccagccta gcccggtgta cagcgcaagt tccaggatgg cagagggcta ggcagagaag 180  
 ccctgttttg aaaaacaaa gaagaaaagg aaaa 214

<210> 1289  
 <211> 281  
 <212> DNA  
 <213> Mus musculus

<400> 1289  
 agcgtggatt cttctcacac ccatgtcccg ccgcgaagtg gaggaccac aagctatata 60  
 gatttccatt gcgaagcttg agctcgagtc ctcaaacctg cgcctccgat tgacgaaatg 120  
 cttcctcacc accgtcatca tcggcgaagt taaggggtgaa gactcatctt tagtaataag 180  
 gcatgactgt aattccngca ccctctggcc attattaatt atgattcatt gcatgaaaga 240  
 gaaaataaag atctacatac gctcaaagca caaaaaaaaaa a 281

<210> 1290  
 <211> 336  
 <212> DNA  
 <213> Mus musculus

<400> 1290  
 gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggaccca ctagaggcaa 60  
 ggacntgaag ngngggcctc ttcnntntag tncattctga anaagaagct gnccttcctt 120  
 tcaggangaa aggacagacg cnngtggnct catnttgaca attgncaggt gtgccttgag 180  
 catgacacan tatggatgag ctgagngnnc ctttngatta tntactnnnc attccnagtg 240  
 agaccacacn taggaattcc gctgtgcctt gagcagacaa gtatggatga gctgagtgtc 300  
 actttggatt atctactcag cattccaagt gagacc 336

<210> 1291  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 1291  
 ttgtggggag cgtggattct tctacacacc catgtcccgc cgccaagtgg aggacncaca 60  
 aggnnngctn ngctcanntg tnanccntat cctgngggcat gnncaacaca gagtttctaa 120  
 cctggatcat gatattggaga tcatttttaag gttcctttac ttctttttgtg tgaatcgggtg 180  
 tcctacggaa gatcagccat tgctccagcc ccactgcctt ctttctttaa gacactgagc 240  
 ggatccacct gtcctggatg tctagttctg tgagaataaa attgttccca ttcaaaccac 300  
 aaaaaaaaaa 310

<210> 1292  
 <211> 394  
 <212> DNA  
 <213> Mus musculus

<400> 1292  
 ttgtggggag cgtggattct tctacacacc catgtcccgc cgccaagtgg aggaccacaca 60  
 aggnatgtgg atgctgtgag ctcgagacct catttgggag tatttgtgtc cttcaaacca 120  
 gaagntctcc tctttgtctg gctatcggaa acactgggta tgtggatgct tgagctcgag 180  
 ncctcanaga ataacatgct ggagttgggt ctctccacat ggggtcccagg attggctatc 240  
 agcctttgtg gcaggtgttt ttatccacga agccaacttt ccccatcttt tcttaatgtg 300  
 gatgttttaa gctatgtatt tccacttact ttggctatgn ngnattncac ttctttnttt 360  
 tcttnctttc tttcttcctt ccttttagtt cttt 394

<210> 1293  
 <211> 112  
 <212> DNA  
 <213> Mus musculus

<400> 1293



ggacggaccc	acaaggtata	aggcagtatg	gcttatcttc	tttgtgctgg	gcctggggac	60
actgctcccc	tggaattttt	ttatgaccgc	aaccaagtga	gaaccacaaa	gg	112

<210> 1294  
 <211> 191  
 <212> DNA  
 <213> Mus musculus

<400> 1294						
tacacaccct	gtcccgcgc	gangtggagg	acccacaagg	gacttntnga	accatgccna	60
agccncncag	tgaagcaggg	actgccttca	ttcancancc	anctagcctc	catgcagcca	120
tggatgacac	nttnatgnga	acacatgtng	nctgcctagg	ccatctnact	ctgncccat	180
catgggccga	a					191

<210> 1295  
 <211> 377  
 <212> DNA  
 <213> Mus musculus

<400> 1295						
gagcgtggat	tcttctncac	acccatgtcc	cgccgcgang	tgaggaccc	acaaggcccc	60
agatccaact	acaagcaagg	acatccactt	cttctgaggt	tgtcttggtt	cctgggcctt	120
cttatagcct	gcagaaggac	cctcccagtc	tcctgggcag	ccaagtaaac	agaagtggga	180
ccgcttctga	catggcttcc	ccgtgttctg	gggacctcag	ccccactggt	ctggccccgc	240
cccctgtcac	cactccagga	ccggctgcgc	ccaccgcacc	gcgcttcccc	gacatctacg	300
gcggcgacgc	gcagctttgg	gaggcgcatt	tccgcggcat	cgggcgcgcc	taccgcgctt	360
gagctcgagg	tccttaa					377

<210> 1296  
 <211> 361  
 <212> DNA  
 <213> Mus musculus

<400> 1296						
cgtggattct	tctcacaccc	catgtcccgc	cgcgaaagtgg	aggacccaca	aggattccag	60
gatgccttcc	cagaacagaa	cccagacatg	tgagccgctg	gccggacaca	acagaactgg	120
ngantgtata	tactttgagg	catanngnan	ntactactct	gcngtgnagg	anacaactcn	180
ngctnnngtn	gcaggntgca	ccaacggttg	ctcntgggnt	ntcanntntt	gnaggcnttt	240
cnttangnac	atggttggtg	nctccttggn	taganatggg	atagcctcta	tntcntcgac	300
tagtnttcca	atacaatgct	ttcttctact	ccaccaata	aattccattt	ttgccagaaa	360
a						361

<210> 1297  
 <211> 223  
 <212> DNA  
 <213> Mus musculus

<400> 1297						
gtctgggtga	ggatttttta	ccccttacct	atccccttct	actttttaact	ctttgagaaa	60
cgttggcagt	gactgcatat	ggttggtactt	ctatcaagaa	gcctggagaa	gctggtcaat	120
agaagagtat	gggagccata	ccatcggggc	tgttgctgac	agtggaaact	gaaagaaaat	180
gtctattgat	taaaatgaca	ccatttcttc	taaaaaaaga	aaa		223

<210> 1298  
 <211> 452  
 <212> DNA  
 <213> Mus musculus

<400> 1298  
actgagggag gggagcatgt gtgtgccatg gcacaaaagc agaggccatc ttgcaggagt 60  
caggtctctc tttccatcag gngggaccca aggagtcacg acatcagcct tggagagtgc 120  
tgcccggtgg nnantgtnag tnnncctngn ngctttgagc ctttgncttc ccacctgtgg 180  
catgggaaca acaacatgag tacagacaca gntnaggaga gaganagaga gagccagtat 240  
cancttctgg tttggaancc tgagancctc tttctgagtc actttgtttc tgccccaac 300  
ctttgctttg ntatgggtcc tgccttctcc accagaggca ggaagagctg gcatggagct 360  
gctgggcaac acgggccctg nttccccacg tttagtngc ggacagaact atgttncanc 420  
ctgggctggt gagtaaagct ctggtctgca ga 452

<210> 1299  
<211> 382  
<212> DNA  
<213> Mus musculus

<400> 1299  
tgagactcag gctggtgcta tgaggatcaa accaagggtc ctagaagcag ttgcttgggg 60  
cctgagaagt ggnctggagc ctgtaaggag aatcagcagt ccccatcaa cattgtcact 120  
gctaggacaa aggtgaaccc cagactgaca cccttcatcc tcgtcggcta tgaccaaag 180  
caacagtggc caattaagaa caatcaacac acagtggaga tgacgctggg gggaggtgtg 240  
tgcatatcag gaggagacct gcccgcccgg tacgaggctg tacagtgtga cctgcactgg 300  
ncaaattgga atgacaacgg ttcanagcnc agtattgatg ggagacactt tgccatggag 360  
atgencatcg tgcacaagaa gt 382

<210> 1300  
<211> 375  
<212> DNA  
<213> Mus musculus

<400> 1300  
agtttgaagg aactgagtgc agcggaaacac acctgtaata cttcaggaaa ctgaaacagg 60  
aggattgcta tgaattccag agtggaatt accatatggc aagtagtaag ccagccagag 120  
tcatagaggg aagccctgat ttaacctatg taaggataac aaaatctggc ctggttgggtg 180  
gctaggatcc taggccaggg aggtgtaaag gccctgattg ctctggagga agctggctgc 240  
gtgctgggag ggaaagggtca tggttcatgg actcatgctg gcaaagttag aggtcaaact 300  
tccaaagtag ccaaaaaagg aggaggaaga ngaggaggaa tagaagaacg aggangcgga 360  
agaagaggag gaata 375

<210> 1301  
<211> 125  
<212> DNA  
<213> Mus musculus

<400> 1301  
cgctcactgg gggcccatcc tgctgttctt ttgacaatct cctggaagtg ggtcccatct 60  
gtaagtatct aattcactct tctttttgaa aagtattctt gacatggagt ggaaaacaaa 120  
acaaa 125

<210> 1302  
<211> 315  
<212> DNA  
<213> Mus musculus

<400> 1302  
actgaggctt tctatcacag gntgancttc atttttttcc ttttcctttt tgtgattgag 60  
ctagcccagg atgtgattga gctagccctg gatgtgattg agctagccca ggatgagctt 120  
cccacantac acagagtant ggtggctcag tggaggactt cttgcttttc cagtgtgnt 180  
ggagaaatgc ncatttgaac tggatgttgc ctccgtcctt ggtttaggca ttactccttc 240

atggaggtccc	tgtctcaatc	tgtaccagt	aacaaatgta	aaccatgaat	ttgtctttct	300
ttaaaaaata	aaata					315

<210> 1303  
 <211> 241  
 <212> DNA  
 <213> Mus musculus

<400> 1303						
actgagagtt	tggattcgag	tggtttttct	gacataacctg	aacacttgga	gaggaacctg	60
gtacagagga	actctactat	aaggatgagc	cccacagatc	caactgtaagc	ctgacatatt	120
aattgtgatg	accttacnag	aaaagtgata	ttttaatatata	aacagcaaca	gaattttaata	180
atggatagag	tatcccccaa	aacgtctgtc	atgcataatt	aaaagcacat	acttatgctt	240
a						241

<210> 1304  
 <211> 448  
 <212> DNA  
 <213> Mus musculus

<400> 1304						
ggctagtgtc	gccttttcgga	ttcatctgag	aaaaggcctg	ttgctgaggg	tgacatgnng	60
tgactatacn	agactcaatg	ncggtgtact	gagagcaagt	gantgtgggt	gctcaggcct	120
gagtgggaca	tccacatcaa	cacctgccaa	ggcccaggga	gcttcacgga	agaggactcg	180
gagagaagat	gagaacaagg	cgatgagggg	aagtgtctgcg	gaacaccgtt	tcccaggcag	240
aacatggcca	ctgcactcct	aatcgctcag	caactgagat	gacttgagtg	agacctgcag	300
aagactgggc	ccgtcagcat	cccatcatgg	atgggtaagg	gatcataagg	acccgcttcc	360
ctgaagctta	cagttggtac	ttgctgggat	tgggggtgggc	ttttanggnt	tttaaaaggc	420
nacaccattt	cccagtgtgc	atgtgttc				448

<210> 1305  
 <211> 280  
 <212> DNA  
 <213> Mus musculus

<400> 1305						
atcccacgaa	tggtanactc	ctgcaagcca	gtgggtcaaa	ctgaccttga	actgcgagct	60
gacagtnggg	cccgcgggtg	tttgcttccg	catttcaagg	tgncctggnt	gttgcggctg	120
gagacgtgtt	caaagaggtc	atagatgaan	ncgaacctgt	gtgaaggagg	cacagactgt	180
gaggtgtgta	cacngtgacc	gtcaggtacc	tgctactgta	attacagtgt	agttctacaa	240
tgataattaa	aataatacac	ggggccctga	aaaaaaaaaa			280

<210> 1306  
 <211> 116  
 <212> DNA  
 <213> Mus musculus

<400> 1306						
gactgagaaa	cacctgtttt	gngctgagtt	atthttgngga	aaattatagt	ttttgctttt	60
gtgaagttgg	cattttcacc	tttgccctaa	taaaattgng	tgtagaaata	aaaaaa	116

<210> 1307  
 <211> 155  
 <212> DNA  
 <213> Mus musculus

<400> 1307						
accaggaaga	gaatctactg	aaactacagc	ttgctaagtt	gtcttaacaa	aagatagaag	60

ctcaacttga	caagattcgt	ctggatccca	ggaaaaacat	ggatccatga	cttcttcaaa	120
tacagattcc	tggttttctc	tgtcggaaaa	aaaaa			155

<210> 1308  
 <211> 158  
 <212> DNA  
 <213> Mus musculus

<400> 1308						
ctagggggca	agaaatacga	aagggcggct	gtggacatgt	tcacnaaata	gggtctttnt	60
atcgantcca	ntcttcnctg	ncagcagtct	agtccacttg	gcaaaacacc	aatcaagta	120
gcantngact	tgatctanaa	naaactgcaa	ggctcccg			158

<210> 1309  
 <211> 336  
 <212> DNA  
 <213> Mus musculus

<400> 1309						
atcgcaggcc	ctctgctgnc	atcttctccc	agggagtacc	agaaacatat	taaaagaaca	60
catgccaaac	atcacactcc	agaagccgat	tgaaagttac	taccagaggt	acctgaatgg	120
ccgtggggaa	aaacggagca	gcccccgctg	tcttgagact	ggccaatgag	gtggactatg	180
caccctcatt	aatggctcgg	attatcctgg	agagatttct	acaggggcat	gaacagactc	240
caccctnact	ggctanttnc	tncnctcagg	tncttantng	ttttctataa	catgnatgnt	300
tgttaccttg	nnccagaata	agaatagatt	agagca			336

<210> 1310  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 1310						
gactgagata	aggaggtcgg	ccagttcctc	ctgccttcgg	gaagatgtag	gcattgcatt	60
gggaagcatt	gtttgagaga	tgtgctagtg	aaccagagag	tttgatgtgc	aagctgtata	120
atgtttcttc	aaaaaaagtt	ctaacaaagg	gatctttaac	tttttttttc	tccttctact	180
tttccttgta	ggctatcagc	ctttgtataa	tgaaatgnga	gctttgctta	aaaaaaaaaa	240

<210> 1311  
 <211> 298  
 <212> DNA  
 <213> Mus musculus

<400> 1311						
gacactcaag	gcaccagctc	tcctcaaata	tatagaagaa	taaaagncaa	ggaacaaggc	60
acagcattgc	attccagagt	agaaccccag	tgngcaacca	ttgacaccaa	cacactgggc	120
tgggacactg	gcttntgtga	tcttgacagc	gggagttgnc	tttgcatgtg	aatgagctgg	180
ccaccattgn	ngtaacgatg	tgaaacagac	gtgaaacngg	ggaattctng	aaccnnttan	240
tgtcttctng	caacanaaaa	ttctgggttg	gncacgttga	ccatttttaa	aataataa	298

<210> 1312  
 <211> 119  
 <212> DNA  
 <213> Mus musculus

<400> 1312						
cgggccgagc	ctgacgtntg	tentcttcan	gtnggcaccg	gcctcccag	ggagcggggc	60
gggcagaggc	tgncccatgg	aaccgtctgn	aaaancaacc	ctnttacctt	cccggggag	119

<210> 1313  
 <211> 182  
 <212> DNA  
 <213> Mus musculus

<400> 1313  
 tgagagatac tagatggcaa cttggggaag tattgcttgc ttagcaagag cttagggata 60  
 attcctgtta acagtaaaac tcatggccca ccagctacaa agtgtctttg ccatgaaaca 120  
 gaggacatga taaactgttt accttaatga aattcaagtt gcattgtgaa ttctgccaga 180  
 ta 182

<210> 1314  
 <211> 287  
 <212> DNA  
 <213> Mus musculus

<400> 1314  
 aatgttctcc catcggaata cctgaagcag aagaactntn ccattttcct tgggtntgga 60  
 ctaacagaaa atnaaaatgt cncataggtgn gnaaggatgg ctcagaagca aaggacattt 120  
 gttgctcctc cagaagactg gagtatgcct nctntcacac acatttgggc agcccatgat 180  
 gcctctaagt ccagctncag gagatctgat gctctcttag ccttcttggg cacccatgtg 240  
 cacgtggcat gtgcacacac aaggaaataa ataaatagga taaataa 287

<210> 1315  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 1315  
 ggggatccaa cgccctatatt tggctngctc tngngcactgn anntagagna cagaatacat 60  
 gcatgcaaaa caccataca caaaatataa ataaaataaa a 101

<210> 1316  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 1316  
 aactgaggt ctgctgaatg ctgtggactc ggatgctgta tcaggcctgg gtgttattgg 60  
 ccatatcatt gaaaaagaca agatcactac caggacgctg aaggcccaga tggactaacc 120  
 tatgctctgg atggactaac ctgtgctctg gtcccgtctc cctttttgnt gnttttcttt 180  
 ttaataaaat cacctttctt tcaaaaaaga aaaa 214

<210> 1317  
 <211> 328  
 <212> DNA  
 <213> Mus musculus

<400> 1317  
 agcctgagcc agatacctga tgaataactnn aggtagaagc atttctacac tgactcaact 60  
 cagctataaa cctctgcaag gaaggaattc taacccatag atgctgggtat cacctgcacc 120  
 aaggcaaagg aagaaggatg cttcantctc cagacagcct gatccaactc cagatgtcan 180  
 gatagancaa gtggctgggg accctgggggt cacagtctta gggatgatg cctgngcaan 240  
 antcttgngt tttgagatgg agttagncca aagggaagag cntaaannaa ctcagatcca 300  
 cactgatctg cctgacacaa ccccgaaa 328

<210> 1318  
 <211> 325

<212> DNA  
<213> Mus musculus

<400> 1318  
agacctgggc agagccataa ttactttcttg tggaactctn nnaggngnga caggaaaaag 60  
ggatatngnc ngtnngcaa nnacacaccc ggggactggg ttccntncca tatccnnncc 120  
agnatagaat tatcacaata cntngcattt ttcnantggt tggcttaggc ccaataaaan 180  
aggganaaga gatcntgcaa aacaaagagg atgaaagcaa ggctgacaaa ctcagaagaa 240  
cagcgttgac ctgcgagggg tgagtaagaa aagaattctc tgctgcccaa cactgtcaca 300  
ggcaggacag aagtgaactg aggaa 325

<210> 1319  
<211> 227  
<212> DNA  
<213> Mus musculus

<400> 1319  
tgtctgggtgc ctgaccttta taggaagaga agtcatttat attcaggagt tctgcagaga 60  
tacatgtcct ccaaagcacc ttctttgtct tgtcataata aggacagtgc atccccctct 120  
gagcagctag aattggatgg gtggaaagct acnatgaagt cgagcattca agaagatggg 180  
gtttcagagg tctcagacaa agntgaagat tcccttcgcc tcggcca 227

<210> 1320  
<211> 465  
<212> DNA  
<213> Mus musculus

<400> 1320  
ggcatcctat cacttttacag cntaagatgc tccgagcnca gcctgaaatc ttggaatgac 60  
agccngtcan acctctgtag cancagacca ggaggaggaa gaggagatgg tcttcggtga 120  
aaatgaggac ggactggaag agatgatgga cctaagngac cttgcccacc tcaactcttg 180  
cttgacagtng tccatgaagc agtggtttgag gtccaagagc aaaaggagag gtttgaggcc 240  
ctgttcaccc tctacgatga ccaggtcana ttccanttgn tcaaganctt tcgcanagt 300  
aggatcaact tcagcaagcc cgangccgag ncnagagccg cgnatagagc tncatgagag 360  
tganttnac ngccggaagc tgaagcttta cttcgcacag gtgcaggtgt ccggggaggc 420  
ccnggacaag tntacttac tgncaccaca gcccaccaag cagtt 465

<210> 1321  
<211> 489  
<212> DNA  
<213> Mus musculus

<400> 1321  
gactgagatc gcttttnacga gagaagactg atgaagaccc cgaggtgcat caacccgaga 60  
cctggacaga gggcctggcc ccagggtggac gcgaaggcgg cttccgtctc cctctgagt 120  
catctgtgga cttggttgca ggctcacctt taagatatct gtgtgactcc caacttctct 180  
tccgtatctt agcagtttga gggtcacgag gcagcaagga tcagtaggaa gcacaggtat 240  
taacaagttg gccaaagttc acgtcccacc tctgggatgt cgttttagtgc ctggtgtcat 300  
ggtcgcagtt actctttcat gtataaagca gggatgctgt atctacctca cacggttact 360  
aaaagcaaac acggaatcca aagccctggg cacatgccga catctgaaaa gctggtgttt 420  
ctccacctc cctccgagtg catgctgtac gcagctcttg cttttatccc tggggaaagg 480  
ctgaggtca 489

<210> 1322  
<211> 169  
<212> DNA  
<213> Mus musculus

<400> 1322  
aaccagcaac ctaccctgnc tcttgggacc ctagnattta tataccctnt gnagantnnc 60  
cagaatttnca gangtencac tatencagaa actataactca gntggcaata anannataacc 120  
cctgctagag cattgaggna aatcatagtc agctgctgag gacagactg 169

<210> 1323  
<211> 269  
<212> DNA  
<213> Mus musculus

<400> 1323  
tgaggctcag attcccaacc aacaaggnet caagggagga ccaccatgtg ccgagccatc 60  
tctcttaagc gcttgntgct gctgctgctg canctgtcac aactcctagc tgtcactcaa 120  
gggaagacgc tgggtgctggg gaaggaaggg gaatcagcag aactgccctg cgagagttcc 180  
cagaagaaga tcacagtctt cacctggaag ttctctgacc agnggaagat tctggggcag 240  
catggcaaag gtgtattaat tagaggagg 269

<210> 1324  
<211> 566  
<212> DNA  
<213> Mus musculus

<400> 1324  
tccacgctga gcccatggtn cacgntcaga ngagggtggag tatgcntaag gcctgcagat 60  
nnagggcnca ctactgcanc ttaagncncc atgcctgcaa agnaagctgt acccgttgga 120  
gccatcanna cctaattctga agcgagggag ttngacgttc tcntaagcaa gggctgnctc 180  
catggcctcc tcanggtatt ctgtaccagc tggnncagtg agctccatca cggtantgag 240  
atgcangatg cnnaaagagc cttctctacc tggcttatnt ccattttatcc tgcacatgcc 300  
cgagatgcca atcatacagc atgatacnag gtcagctgac tgtggaaggg aggagtcatt 360  
catgagccag ganaacaaag tgcacttgaa gctgngaact ctacagagtc agtcagtnaa 420  
catcccatgc ttggctccca cgctcccna gactgctatg ggtcaacggc ctcangtgct 480  
cccaaaaacg ggcaatccga tccaacgatt gcttttactt tgacagctgg tgcctgtcag 540  
cttattttata cttcgagaat atactg 566

<210> 1325  
<211> 193  
<212> DNA  
<213> Mus musculus

<400> 1325  
gtggggagcg tggattcttc tacacaccca tgtcccgcgc cgaagtggag gacacacaag 60  
gtngntaccc aagttgtgct cactaccatg agnttcnatt nngcccnngg agaaccngnt 120  
nngatacaca gttaaataca cagttgcaag cagaccaaga gcatcaggat gcccaagtga 180  
gaccacaaaa ggg 193

<210> 1326  
<211> 386  
<212> DNA  
<213> Mus musculus

<400> 1326  
ggggagcgtg gattcttcta cacacccatg tcccgcgcgc aagtggagga cccacaagg 60  
cacnatactn nctgcgngnc gtctgaaaaa cgagtgggtg gaaagccatc cagaggcttc 120  
cattagttag atttttgagc agaaacaaca attggaagat atcgtctccc ccatcctagc 180  
acnaaatgtc tacaccacgn catttngntn cctcataang agacctnca ctnatnaaca 240  
ggccaagnga gaagcannna ggttttacag atgccacatg gtgtagaagg ctacattaca 300  
tttcagtatt aaatacgaca aacctgttcc tcgttcctgc caagttcaag aaatagatnc 360  
aggcttttgt caaacagccg aaaaaa 386



<210> 1327  
 <211> 245  
 <212> DNA  
 <213> Mus musculus

<400> 1327  
 gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagnctgg 60  
 gaatgagatn cagggnccta tacntactag cacaaatgct gnactacgga accacacttc 120  
 nnaccctgtt ggttntggag aatntnctga atntttttct ganatntact gaaggtcacc 180  
 agcttttgag aatccnagga atgttccccc tnagaggaag aatgctgttg gtcagtgaag 240  
 aacga 245

<210> 1328  
 <211> 499  
 <212> DNA  
 <213> Mus musculus

<400> 1328  
 gtgggggagcg tggattcttc tacacaccca tgtcccgcgcg cgangtggag gaccacaaag 60  
 aaccagcag tgatgtggag gtggagactc acgggagccc cggacttcac ctgagctacc 120  
 tcagtcgcca agngagaacc acaaaggaag aagaccctga cttggggggg accaggatgc 180  
 ctgaccggga cagctatgcc aacggcactg gcagcagcgg tggaggccct ggaggtggtg 240  
 gcagtgaaga ggccagtggg gcagggacag gcagcggggg agccacctca gatgccatct 300  
 gtagagactt cctgaggaac gtctgcaaac gaggcaagcg atgtcgatac cgccaccag 360  
 acatgagtga ggtatccaat ttggggggtaa gcaaaaatga atttatcttc tgccatgact 420  
 tccaaaacaa ggagtgtagc cgccccaact gtcgtttcat tccacggctc caaggaggat 480  
 gaggatggct ataagaatg 499

<210> 1329  
 <211> 140  
 <212> DNA  
 <213> Mus musculus

<400> 1329  
 ggggggagcg tggattcttc tacacaccca tgtcccgcgcg cgaggggagg acccacaagg 60  
 actctcagng ntcnnntctn tntcnttca ccangnagat gcnggacnga ttccactctc 120  
 ccaagtga accacaaagg 140

<210> 1330  
 <211> 262  
 <212> DNA  
 <213> Mus musculus

<400> 1330  
 gtgggggagcg tggattcttc tacacaccca tgtcccgcgcg cgaagtggag gaccacaaag 60  
 ngctgcttta tcacctcact gcttangctc tgctctcaag cnaagccaag tgcaaactct 120  
 ccaagnaga accacaaagg cggccttggn catnatagnn tngacnagn tctgntccct 180  
 ctaccanntg aaaaantact gnctcttgac ncaccactac ccagcctacc cctgctgcgg 240  
 nggagtctaa acctttaaat ga 262

<210> 1331  
 <211> 341  
 <212> DNA  
 <213> Mus musculus

<400> 1331  
 agcgtggatt cttctcacac ccatgtcccg ccgcgaagtg gaggaccac aaggctnttn 60  
 ancnnanctn tgaanaant tgntatgctt aaagaaatgg acnnngatct taactcagta 120

gncattgctg	tgaagctgca	gggtatcaaa	anggattctt	cgctccgatg	agnncatcct	180
ttnagnacagn	ggncctgggtg	agacagagct	ccagtttact	cttctccntc	cagnaccctt	240
atttccttat	ncganatgcc	ancannactg	caaattatgt	ngcacaggag	gaagcggtac	300
aagaaccnna	actatcttgg	gctataaaac	cttagctgag	g		341

<210> 1332  
 <211> 179  
 <212> DNA  
 <213> Mus musculus

<400> 1332						
gaggggagcg	tggattcttc	tacacaccca	tgtcccgccg	cgaggtggag	gacncacaag	60
gtagccnttg	aaacattggc	ttgagctcga	gtcctcanac	tactatgagg	attaaattaa	120
ccaatatatg	aaggtacttt	ctacaataaa	atgctcatta	caaattgttaa	aaaaaaaaa	179

<210> 1333  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 1333						
agcagcgtgg	ctaagtnta	cacacccatg	tncccgccgt	gaagtggagg	acccacaagt	60
ggttcaactg	gagctaaanc	cgaggcccgg	ntagcaggta	gaccttttag		109

<210> 1334  
 <211> 236  
 <212> DNA  
 <213> Mus musculus

<400> 1334						
ggggagcgtg	gattcttcta	cacacccatg	tcccgccgcg	aagtggagga	cccacaagga	60
ttgaaaagac	aaantcagan	ggattgaggt	tgctgaggag	acnaatattn	nagacctagg	120
atcaatcacc	aggaacagaa	gtggnnatac	atgtncactc	atacacanca	catgcactat	180
aanataatga	gttaactaga	cngcntcata	aaaatcaatt	aaccaattct	acctct	236

<210> 1335  
 <211> 246  
 <212> DNA  
 <213> Mus musculus

<400> 1335						
ccatctagca	catgggggct	cacanccatc	tгнаатгана	nctgacacac	tcttgtggng	60
ngnntgaana	cagntacnct	gnacttattt	gnaatcataa	ataaatccta	gngccggccg	120
gagctagnng	agtgtaccag	agcgagcaaa	agtcctaaat	tcaattncca	gcangctgat	180
gaagcttcgg	nacagctaca	gtatgtactc	atctacataa	aataaatgat	taaattctta	240
aaataa						246

<210> 1336  
 <211> 429  
 <212> DNA  
 <213> Mus musculus

<400> 1336						
tgagggttgaa	aacctaaaac	ggatgaccca	ccaattggcc	tgggtccact	gtggttgcgga	60
agatggagga	ggggagctgc	agagattcgg	ggtttatttg	tataccctca	tcctcctgcg	120
ataccaagcc	agccagaggt	ggcgtccctg	actgctctgc	ggcctgggc	agggcaggaa	180
gctggcgcg	ccgccgactg	ggcaggcacc	acttggccta	gcccgtgtgt	cgctggaact	240
cgcgaagcac	catcactctg	agttgagttc	ccgagactcc	ggcctgggtca	ccctgagctg	300

ttttcctccc acatcgtcag ttggcctctc tcgcaagtct cctgatctcc cgccatctgc	360
ttttcccttc cttgaccgat ctctggaact tcgaaatata ttcaaccgcc ttttctgaga	420
aaaaaaaa	429

<210> 1337  
 <211> 142  
 <212> DNA  
 <213> Mus musculus

<400> 1337	
actgaatgga gtgttttgaat tgcgcctttgc gactctgaag gctgaaggnn ncnggcngan	60
acggnagnca tngnntnccg tcatncctgg acatgcttta ttattntcaa ggccatggat	120
ttactactga aactttttct tg	142

<210> 1338  
 <211> 416  
 <212> DNA  
 <213> Mus musculus

<400> 1338	
tgaggtgggg tctttcaatt agcatctcct gcgcgcctcg ctgcgcaccc cggacccctg	60
ctccgcgccg ggacccccgg agcagcacc c tanagccgga agacgaggac gatgaggaag	120
atgaggacac catgacgagg ctgggtcccc atgacacgct gcagggccag gagctgtcca	180
cagagcccga cgggcccctt agtgtcaatg tcttcacgtc agcagaggag ctagagcggg	240
cacagcggct ggaggagcgt gaacgaatcc tgcgggagat ctggcgact gggcagccag	300
acctgctggg cagtggcacg ctccgggccg gagccacggc cagcttgga cgaatgcact	360
attactgaca cccggcccct tagcgtgggg ccagagtact ggatatggga ctgcct	416

<210> 1339  
 <211> 245  
 <212> DNA  
 <213> Mus musculus

<400> 1339	
agagaaacac ctatgtgtct gttctcagcg aaacatcccc ccaagtgcct gcttcagcaa	60
aacatcctct cctaagacag nttcctggaa aacatcacat gacacaaccg agtctccaaa	120
cgaacaaaag ccagagattt ccacttcaga tatcctttgt atgaattttc ttgatgacct	180
ttgtgggact tcttaaccca acaacctcct gataaagttt gtgcattctg gctgaaaaaa	240
aaaaa	245

<210> 1340  
 <211> 142  
 <212> DNA  
 <213> Mus musculus

<400> 1340	
ctgccctatc ctacgtcatc acctgcagct ggntncaggn tccaaggatg aatnggcggg	60
aatggacttt cccccctttt tccccctc tttntaaag cngtctgcc attaaaaatt	120
tgaaccttga gcaaaaaaaaa aa	142

<210> 1341  
 <211> 221  
 <212> DNA  
 <213> Mus musculus

<400> 1341	
atcccactgt gactcannaa tacacctttt gtnctaagag gacgacgagc ctgtgagaat	60
tccccatntt cccttcacaga agtccacct gtgnctgctg ngaacttgag atgtatnatt	120

gnagccccctg	ttgtanatga	agccccattc	tcctctagcc	gaacatgtta	aagcctncat	180
tctccatgaa	gactgtcatt	ggaggtagaa	ggttttaagg	a		221

<210> 1342  
 <211> 321  
 <212> DNA  
 <213> Mus musculus

<400> 1342						
actgaggtct	cttctagcct	tntgcagnac	gtgcctaccc	acacgcgctg	aacctgnntn	60
accacaacct	gagcccttgg	atgacaggcg	aagcctttcn	cattttgcct	aggattcccc	120
gatgcncgcc	tgtctctagc	caagcctgtt	gatctaagag	gcaggggtctc	caagactcan	180
ccagtaggga	gagctgggcg	aatggatcca	atctgagata	gtgctcctgt	gcgggttnca	240
tggtnacngc	cacaccncc	ccgctggnga	cagatgtcat	gcgggtcacc	tcactccagg	300
gctgaggatg	agaccttaaa	c				321

<210> 1343  
 <211> 459  
 <212> DNA  
 <213> Mus musculus

<400> 1343						
actgagggaa	cagcggcagg	tactgtggcc	tgagcctact	gcgcctgctc	ctcttcaaac	60
tgctttctgct	cgatgngctc	ctgacctgca	gccacctncc	cctccatgtg	ctggcggggc	120
agcacctcca	gncaccaccc	tcacgcaagt	ccctgcctcc	caccacacaga	atttgacat	180
agttatgagt	ctctgagctt	anatcttacc	cacctctctg	agcccagggt	ggtggtgatg	240
ctggacacta	ctgctccctg	gggccaggaa	naacaaagcc	caggctgtga	ggaagccagc	300
tgggcccaga	actcacgac	ccccctcagt	gctccttgnt	caaagngggg	gtttcttttt	360
gctttttctg	natgggatct	gcctcttgna	aatggagcta	tcctatcaga	aactgggctc	420
ttgnctctcc	tatcagactg	agactttggg	aagaaaagg			459

<210> 1344  
 <211> 215  
 <212> DNA  
 <213> Mus musculus

<400> 1344						
actgagttac	aggagaatgc	tgctcaagca	gggtgacctg	agtcataaag	gtggaaagag	60
agaaccgact	ctgaaatagt	cctcggactg	tcacacacat	gctgcgacct	gtgtgatccc	120
acatacgtgc	atccaacaat	cattaaaata	aagtgaacca	ggcagnggng	gcacacncct	180
ttaatccagc	acttgggagg	atttctgagt	tgagg			215

<210> 1345  
 <211> 446  
 <212> DNA  
 <213> Mus musculus

<400> 1345						
gtgggggtctt	tccaaggtga	tgaagaagta	cggnaaaagc	ggcnggctga	tctgtgacna	60
cgtgacgtgg	acctgtgtga	ctgcctggag	aagaactgtc	tgggatgctt	ctaccctgtc	120
cccaagtgc	actccaacaa	gtgtggggcg	gagtgcctgt	gcaaccgccc	ctgggtctat	180
gatgccatcg	tcaccgagtc	cggnnangca	cttatnccc	ngncttttng	tgcntntgnc	240
taggagattt	tantnntaga	ataanagact	ngattnacct	ttgttgctcn	gatatagaga	300
tactttttat	tntctttgtc	aaaggaagcc	cangaagaaa	agggttttta	gtactgcaa	360
ggaggccgga	ggatnangca	anagctnnaa	aagacnnatt	nacaaccgtg	gaagagcttn	420
anaactntga	cttggaagtt	aagccc				446

<210> 1346

<211> 374  
 <212> DNA  
 <213> Mus musculus

<400> 1346  
 tgagctctct tgcggaatg ncatccaggg aaattccctg ggaacatctg gctccaatat 60  
 gatctattac ctggttgtag gcgtgacagt cagtgcctgg ggatattaca cttacaaggc 120  
 tttaacatca aagcaagtga gacgtacaga acatgtagct gaaccgaaag aacaaacaaa 180  
 ggcgaggttg caaccacttc caggtgaaaa ggaagagcat gtggcagaag ccgagcaagt 240  
 gtgttcagag cctggagaca ctgctgtaaa ggaagctgaa tcggtagatg ctgaggaagt 300  
 cccagaggct gcagttgtgc ttccagaaga gtctcaggcc tccgccccct ccgagggtccc 360  
 tgccgaagct gccg 374

<210> 1347  
 <211> 536  
 <212> DNA  
 <213> Mus musculus

<400> 1347  
 cagagccaga ccacacctta gctccacagc cgctttgaat ttatggatgc agttagctat 60  
 ggtgtttact ctccctgccc ctctgtattg ttaacctccc ctcccccaag ctggactccc 120  
 cttgaangag ctctttgttt ccccttagt tgtagctttt atcagacagc agtgggggtc 180  
 ananggtttg agtggcangc ttgcgancga gtctggtgac tgactgtctt ggtgggttta 240  
 aagaaaacag agagggctga agcaccggg gagatgcgtc cccacgcccc tgtaactgag 300  
 aaacaatacc actcaatatt ccaaccggct ggggctggan cgatggctca naagttcaaa 360  
 atgcttgctg cccttgacaga agacctgagt ttggagtcnc acctaagttg ggcactctca 420  
 accacctgta attccactcc anaagatctg aaacctctt ctggcctcct caggcactgc 480  
 actcncatgc ncntaattta aaataaaata ataatctnt aaatgcgttc ggtccc 536

<210> 1348  
 <211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 1348  
 tgagggtgagg tttaatgatt tacatcgacc aaggaccgac agcctcggtc tctcgaatcg 60  
 gatccgacat catccaacac ttcagtgtta gaattgcaag catgcgctct cccgacctgg 120  
 gcaggcactt cgaaaaaatg atgactaaag acacaccgtg aagtaccaag cgaaantnan 180  
 agtccttatg ggacagtgc tcatcacagt ctaattccat nctggccacc aagcaataat 240  
 gcacatttct aactggaagt caagcaaaca ccaacacttt cacacttgng cccatttctg 300  
 acgagttacg nnnagtgggn accaactt gcacttagcc ttgcctcagc ttcgagtggc 360  
 acaaggttagg accaaccaca ccctaccata atgcaccaag 400

<210> 1349  
 <211> 388  
 <212> DNA  
 <213> Mus musculus

<400> 1349  
 gggctctttag gagtatcttg ctggttatgt aagcgacctc gggagaaatt atcctgaccc 60  
 anatcgagg atgcggtagt gcttcancctg caggatttct tcgtcggtta caccacagtg 120  
 ctgatgacaa agagcaagnt gtaatccgca nactgccag ggctgagccg ggcagacaga 180  
 aaatcgtcat ttgctgctca caggcttggt aggttacagc ctctgcttcg ttctgtggtc 240  
 ttggcttttc ttctataca atgacggcgc tgcaagtgc ctcagaaatg cttggtttga 300  
 aagccatttg cctgtgattg tttttgaaga ctaaagaagt atttatgctc gattaaaaaa 360  
 atactgctca cgaacaaaat gaaaaaaa 388

<210> 1350

<211> 338  
 <212> DNA  
 <213> Mus musculus

<400> 1350  
 tggggggaagt acaggnncct cccagacaga aacngagccc aagtcttncc acacctggnt 60  
 cctatggaga cctggagacc ggtccccagg agctaccaga tgagatttta ctgggggtgaa 120  
 gacctgaggc tataccatgg gcacacagga cacgtgtggt taccatactc tggctattcc 180  
 atattataac cattccaaag tgtgctagggt gatgatttta ttaagtccag tgataggaaa 240  
 gactgggaac actcaagaca tttatttagt aaaacagtgc tctgtcctag agggttaagg 300  
 cacatgtggt aattaaaaaa ctcaaaggct caaaaaaa 338

<210> 1351  
 <211> 424  
 <212> DNA  
 <213> Mus musculus

<400> 1351  
 cactgagttt tagaagtaag tttgttagag gctcatctgt ccgaagcagc atgcctggcg 60  
 aaaccagcac agcgagaagc gttgctcttc ctccatcagt tctatatccc tggacagaat 120  
 gccatcggaa atcttggnga agatactttc ttacttggat gcgngacct tggngtgcag 180  
 tggatgtgtg agcanacgct tttatcattn ggctgatgac aatcttattt gggtcaggaa 240  
 gtnencagct gcntttanat caaaaagatc acgttggaaa gctacttcag nggaggaaac 300  
 agccacaagt ctgagcttgc tgtcagttng ggataaagaa gatggatact ggaagaaaga 360  
 atatattaca aagcagatct catctgtgaa agcagccctc accaacagcc tcagtccagt 420  
 taag 424

<210> 1352  
 <211> 441  
 <212> DNA  
 <213> Mus musculus

<400> 1352  
 aggcagagcg ttcctccact aacttggntg aattatggaa gtactggcag gacttgatgc 60  
 tgncagnagn ggnnttacag gatttcacat ggctctgccc aggaagtctc tattcccagn 120  
 ttccaaatga gctgcctgtg tggggcagng ngctggacac aaacaccctg gtcttcagnt 180  
 gagctgaggt cttgaacccg ggtgggatcc ggcggtgga gatntncacc tacatgggag 240  
 ntagatcttg tctccaggat ccctggctnc tgncaaagnt accgccctca cagtcccacc 300  
 ccacccccag gagaggtgtg tggctatcag tcatgtagct aacagcacca agccttctna 360  
 catgcaaata atgttcccc caaactctcn gttcaagcca gtgatagata cctgctgtcg 420  
 aaccctgaat caccctaaa t 441

<210> 1353  
 <211> 296  
 <212> DNA  
 <213> Mus musculus

<400> 1353  
 tgaggaaata ttaaaaaatg aaccacacaa ctctctgcac tcttgcttct ctgaacccgc 60  
 caactctctg gccggggngg gccactgtta ccactctagg actggngcca gcaggnccac 120  
 aacattatgt ctncacgggg tcccaccant tntgggtcca cattncaata accaaataga 180  
 tntgccatgc tcgaagtttg ataacacaat acccagtaac ccagnaaact caatgcttat 240  
 agttaaccaa tcagatttat atatcaataa actctcaata cactagaaaa aaaaaa 296

<210> 1354  
 <211> 272  
 <212> DNA  
 <213> Mus musculus

<400> 1354  
ctggcggtgc atggaatcca nattegtgcg gnggcangat gcttgccgct gactanatcc 60  
gcgangggcc ggnngctccg tgcngcccn anagtgnatga ccaaacgaag aacacagaca 120  
ntgaaaagta agcaggcttt aaacccttag ntctttttgn ntagctgcc ttcgaanctn 180  
gccttttcan agtctgcna agagtttctt agtnnganat ctttncaatg gagtattctt 240  
tctgnacaat gtttaaacag caataaatat ta 272

<210> 1355  
<211> 220  
<212> DNA  
<213> Mus musculus

<400> 1355  
tgaggcagaa agtttttcttg acgatagnna actttgagtc cagcctcttg ccgctcaccg 60  
ttcccaagtc atnggggggn gatattccct catccgcagc tccaaagaat tacatgcaga 120  
ggaaaccgtg gggttcaggg gcaggggtct gtcagttgtg gggtctttta ctggattctc 180  
ttanagatgc tgagttgcaa tgaagttgga ggcttgga 220

<210> 1356  
<211> 306  
<212> DNA  
<213> Mus musculus

<400> 1356  
cctggacaac acaccatctg gatccantgg ctngtgncac annggcctcc ncattagang 60  
gnngaggata gcnatnctta gacattgnct ganctgnnct natggcann cttgcccagg 120  
ctgnanntgn ggactcctta ggtgangnta gaatttacca ggacaccact ctctctttt 180  
ctcctttggc acccgcttg aggcccgatt cctctgaaga ctatcttgga tttcttgga 240  
ccctgcttca ttctggcctc ccgagatgta ttgggaatat aacattcttg tttagaataa 300  
aaaaaa 306

<210> 1357  
<211> 179  
<212> DNA  
<213> Mus musculus

<400> 1357  
accagggga tgctggagaa ctgaaactga gtcctatgcn agatgctgag atatctttcc 60  
agnccctggc ttanaagntt tccananaa ccacgctact agcactggat ganagatgtc 120  
natctatcta gtntttttaa taaatcctac gcnngtgcct tgggtttcca cagcataaa 179

<210> 1358  
<211> 323  
<212> DNA  
<213> Mus musculus

<400> 1358  
agccatcgtc tccagcccaa gagatcactc ttgcattgtg acaccatgca atgcttncgt 60  
ggcctctect ggncttcact tcacagagaa atgcaccaa gaacttnttg tantattctg 120  
gctgaatcct gccgcttctg gttcttgcca attccgcaga atcgtagctt cctgctggat 180  
ccagcgctgc tactgattcc cgtgtgngt ttgctatttg actggaccgc tggatcctg 240  
acaaccgaag agctngngt gcccaaaaa ctaaaatgnc ctacagactc ctttttcta 300  
ttaacctttc tccccaccc cca 323

<210> 1359  
<211> 189  
<212> DNA  
<213> Mus musculus



<400> 1359  
 ataaggcgcc aggataggcc agggagggac ccncatntta agtcggatct nancctnagn 60  
 ctggggcgac gagtntgccg gctnatcgaa gcnggtggct ccctgcacaa cccaagaagc 120  
 ggctggatcg nagagcactc tngatctnag caccctcgg agacttnagg cncacattgc 180  
 acgtggcac 189

<210> 1360  
 <211> 442  
 <212> DNA  
 <213> Mus musculus

<400> 1360  
 tgagtggcat acctggngag caatactaag gtagnatggn ccgntactac aaatttctatt 60  
 tatgaacaat gctatctcaa agcannacca ccaagnaagt ngaggagttt gtntcaaact 120  
 taggttaaac gatttgagga acagctataa anangaccgn tggaatngac ttccttcagn 180  
 cttttacccc agccgtccag ngttatgttg gaagaggacc atnangtgga agaactcatgt 240  
 gccgttaaaa acaacaagga agctttttagn gtngnaggaa gtgtcctgna ttttactaat 300  
 ttttgccttg atnaantggg gcaaccgnta cttaatgaaa accctcagct tacggaagga 360  
 tgggaaatac ccaagtatcc tacatngtga atgaagatct tttatacatc ttgccactaa 420  
 gtncaccttt aaaaaaaaaa aa 442

<210> 1361  
 <211> 391  
 <212> DNA  
 <213> Mus musculus

<400> 1361  
 ctggggggcct gggcaaaggc agccntgagc aagtgccagg tgctcctgnc tctaccactg 60  
 cncctcctgna gactaccttt naccataacg acttngatgc tgagagaaat gctgtgacta 120  
 gcanccattt tggagttgac tgggatgtgt tctaaagtgt gaatgccaaa gacaccacag 180  
 agggcaccat ctctacatct gagggaccca aatggactcc actggaagtt gnccactcac 240  
 tgntggggag ggcactgcag ctcttggtcc ctgggttttcc actttacatt tcctatttga 300  
 agtaatgcat atatcataca atttgataca ttttttgatt attctaattt acagaataaa 360  
 aatacagaat ttcttatcat caaaaaaaaa a 391

<210> 1362  
 <211> 350  
 <212> DNA  
 <213> Mus musculus

<400> 1362  
 aactgagcat ggaccatnaa catcaacaan gcctgctgcn gcaggaagaa tcnacacggc 60  
 ctctngaggt ggcattggacc acggacgtct ttnaaggaga cttanatcca caaaacggat 120  
 cactcatctc acacnatctt gttngagatc agngggngca gctgggcnng tntgtntggn 180  
 ggcaggacct gtngaaanc caggctgctg cacagcactc tgcccttanc tgccctgnna 240  
 acagcctagg nacnaccatc ctatntgcng cacaagggn gtgaggtaac cctggatctt 300  
 atncccacag cagggcgagc agccagagaa gctccagctg ctgtaatgta 350

<210> 1363  
 <211> 178  
 <212> DNA  
 <213> Mus musculus

<400> 1363  
 ttgtcaagat caagaagaac aaggatnatg tgcanttcaa ngntcanttg nannnggtac 60  
 ctttacaccc tggttatnac anacaatgaa aaggcagagg aagctngaag cnttccctac 120  
 ccccggtttt ggcagnngan gatctcgtaa tgaaccagcc ctctgcagtg tgactatt 178

<210> 1364  
 <211> 155  
 <212> DNA  
 <213> Mus musculus

<400> 1364  
 ggaattcaaa ggctctgcaa cagatntttg acgagcagca ttcnaagagt taatgcttct 60  
 ggcctaggan atggctcgcc agataaaaga acagcgctct tcacattcct gtgttcactc 120  
 acaacattag aaataaaaat taattatgag ggagg 155

<210> 1365  
 <211> 202  
 <212> DNA  
 <213> Mus musculus

<400> 1365  
 aacacagacc gacccaacaa tgaacagttt caagggacac cagaatgggt gacttggttac 60  
 gatactgtan tgggtgcttca gggaaggaag agacagggag gacccaagct gcagttccag 120  
 aattacaaac tgagttcaat gacactagcc ctctagcaag aggcagggat gaggagtgtg 180  
 cataaagtgg gggtcagcac tt 202

<210> 1366  
 <211> 298  
 <212> DNA  
 <213> Mus musculus

<400> 1366  
 ttgtgaggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60  
 aggtcagggt gatggctcag aaaacaagac attcacagat agaggatgag gatccctgaa 120  
 actcttgtga agacagaaga taaagaacaa cacaaagctg actttggacc tccatatgtg 180  
 tgctgtgaaa tactcacaac cctcacagat tgattaaaga agtatcacct agcacaccat 240  
 gaatgcttgc aggctggact gtcaatcaaa taaaaatagt tagacatata aaaaaaaa 298

<210> 1367  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 1367  
 ttgtgaggag cgtggattct tctacacacc catgtcccgc cgcgaagtgg aggacccaca 60  
 agntnctgnt ttctgacctg cttgagttcc atgcagtnan ctacctttgg tcatgaacgc 120  
 ncattgctgc cnatcnggac ncgtgggtan caccatntgn cntnccgtgn nacannaacc 180  
 atattggata cc 192

<210> 1368  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 1368  
 tggggagcgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaaga 60  
 ntgaattcta ccctgtgtaa gtnagtgacc ctggctgagc tttgtggacn gagcaccgtg 120  
 acaccggggc agatcctaga gacaggtaga 150

<210> 1369  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 1369  
 ttgtgggggag cgtggatttc ttctacacac ccatgtcccgc cgcgaagtgc gaggacccac 60  
 aaggnctaca actaccnnga tctnnntang cataggncnn tcntaanctg ttctaactt 120  
 gacta 125

<210> 1370  
 <211> 537  
 <212> DNA  
 <213> Mus musculus

<400> 1370  
 ttgtgggggag cgtggatttc tctacacacc catgtcccgc cgcgaagtgc aggacccaca 60  
 agggccnagc ttgacnctga gnngacgant gggaccagat acttttcaan cctnnngaatt 120  
 gcagntagct nagaataacc cgctccatcg nntaactnag angcnccngc ncttgctnnc 180  
 tntnctntgt cangaagnan naggaccnag aacnaccact tncccaaagg angctctcn 240  
 ntttgagacc nannnnngtaa ncngaaacan gaanctccna ngacctccac acggcgggag 300  
 gaagacaggc gctctagcat cgaatgtagc cctgagccgc aactcgggaa ctctatgacc 360  
 aactgggact tccgttttccg cccccctgac gacgaggcga cgggttantg cagcgagtgc 420  
 attctgttcc tgggttagctc tgagcgaagc ttcctggagg gccgnactcn agcctctgtg 480  
 ccgagctggg gtccttgctt gacgccggt gccatgggag atcaagccag gtccttt 537

<210> 1371  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 1371  
 gtgggggagc tggattcttc taacacccat gtcccgcgc gaagtggagg acccacaagg 60  
 tgatgtccca gtgtattggc cttggatcct gacgcggctg cggctgctat tcatcttggt 120  
 gttgtcaaatt ttcatttaac tgcaaattaa aaaaaa 156

<210> 1372  
 <211> 299  
 <212> DNA  
 <213> Mus musculus

<400> 1372  
 ttgtgggggag cgtggatttc tctacacacc catgtcccgc cgcgaagtgc aggacccaca 60  
 agggcttcat nggacctgng aactgcccc ttgnntctgt gatcccagnc canagacagc 120  
 ctttcnagaa nnactgtngc aantgcacan angaannatc ccacatccna accagnctgc 180  
 tgaggaaatt caaaatagtg accgtgaccg gaagaacca tgtgctttta gtctcctttt 240  
 tacttttgaa tcatctccca agtttctttg ataaaaacgt ggtaaaacat acaaaaaa 299

<210> 1373  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 1373  
 ttgtgggggag cgtggatttc tctacacacc catgtcccgc cgcgaagtgc aggacccaca 60  
 agggtcacca tgnctacagg gtgngtaacg ccgaagaagg ctncacncc gnaaanttgt 120  
 tgntnaacag ngcgaatcat atacacagg tgnatttttt accggacaag cttanancag 180  
 anctgtttnc gntccnaaaa gatggngtcg nttttgcctt cantaagaga tggtaggtc 239

<210> 1374  
 <211> 381  
 <212> DNA  
 <213> Mus musculus

<400> 1374  
gtgggggagcg tggattcttc tacacaccca tgtcccgcgc cgaagtggag gacccacaag 60  
ggactcgnca tctgantgca nanangctgg cctgnaacgc cannnatnan aactttgaan 120  
actgtgagnt cggcccacct ggagtgtctg nnttacaaga tngagctgt ncctgnncgt 180  
gctcgctcna tcntntnntn natttanngn tctagngctg tcaatacgac ntgctactcc 240  
atngncagtg aanggagctc tctnntngag ccatcttctt ttttcacttc ccactaccaa 300  
aactatcctt gattgtcaag ggtcattana aaaggcaaac acccaaatat taagtatata 360  
gattgactag taaaaaaaaa a 381

<210> 1375  
<211> 167  
<212> DNA  
<213> Mus musculus

<400> 1375  
tgggggagcgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaagg 60  
ggggnnattt cacactgact tentccancn gagctcngan acgnacctgg ngntcnctct 120  
accncancag acctccagct ngccgtgcna actgcttctt catccca 167

<210> 1376  
<211> 316  
<212> DNA  
<213> Mus musculus

<400> 1376  
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagattct 60  
cacntncncn ctgattggca cgccgatcag acgaacaccg gnttaangng cncactangg 120  
atanggataa ggaccgggaa aagtctaagc atagcnacng ngaacataat agattctgna 180  
nngaatenca gagagaaaga gaatanccc cccactgcng gcccntcccc tctgcattga 240  
gacaaacctt tgganggana caaggaaaga cgaaaggagg aaaagattag agctgctggg 300  
gatgcaaaaa aaaaaa 316

<210> 1377  
<211> 141  
<212> DNA  
<213> Mus musculus

<400> 1377  
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagggagg 60  
canatngnag ctgccctgga ggaccctgan ccctgnntgn tcaggacgct ngagcntgnt 120  
ggtcattcca ttctaacacg c 141

<210> 1378  
<211> 224  
<212> DNA  
<213> Mus musculus

<400> 1378  
gagcgtggat tcttctaaca cccatgtccc gccgngaagt ggaggaccca caaggngtac 60  
atctgtgctt ancctgagac catngtattg gatncccttc ccaccttgag gannntggtg 120  
gaccagttan aagcgtnaca ttgttnatca gtgctgcacc agcatactnc tccctctacc 180  
anntggagaa ctntctgcaan tatgaccac cactaccacag ccta 224

<210> 1379  
<211> 119  
<212> DNA  
<213> Mus musculus

<400> 1379  
gtgggggagcg tggcttcttc tacacaccca tgtcccgccg cgaagtggag gacccacaag 60  
accttgatgt gaaantncaa gannantnca aactttgntc ttcactggac cctgggaga 119

<210> 1380  
<211> 402  
<212> DNA  
<213> Mus musculus

<400> 1380  
gtgggggagcg tggcttcttc tacacaccca tgtcccgccg cgaagtggag gacccacaag 60  
antcactnann ngcagcatnt tactatgaac tcctgggngt ntntnncagn gcctgagatt 120  
aanagcttac caaagcttac agtgaagctt gccctgaagn ttcacccnga cnagaactgc 180  
nctcctggan caacanangc cttcaangga ntaancattg cctntgctat nctnntcnan 240  
tgatgnaaga gantgcntta tgatgaatat gganatgagc aggtganttt cactgnccct 300  
cgagccagat cttatcatta ttacaaagac tttgaagctg acatctntcc anaagaatta 360  
tttaaatgtgt tcttcggagg acatttcctt tcaggaaata tt 402

<210> 1381  
<211> 130  
<212> DNA  
<213> Mus musculus

<400> 1381  
gagcgtggat tcttctcaca cccatgtccc gccgcgaagt ggaggacca caaganccac 60  
gacaggaanc tnagtanta cctgtatgtg ctcatccgtt acggnatgtg ctgtaagact 120  
gggaggactc 130

<210> 1382  
<211> 469  
<212> DNA  
<213> Mus musculus

<400> 1382  
ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagggncc cnctngnagc 60  
tnagtgnca ggnccgngag catagagacn tncttacctt gnnnctgcnn gtgncccant 120  
gcaancctgn ncttgataa caantgctga ccagcatctn gctcctctct actatactgg 180  
agaacnntn cttctngacn gaccntacn tactntaccc ntcnnenttg aatggaannc 240  
tntnaatgng canatgccaa tcacaaaaga annnggggaa gtcattggga aagttctgga 300  
ggaagccagg tttgntgtgg cctttcaccg aggcaatgaa ggacacagct cagggtgcagn 360  
ggccacatgc aactgggaag atctttgtcc agagtcaagg aattgcaaca ataccaatg 420  
ccaactttaa ctggaacacc ttcttgcagc aatcaggagg tggccctat 469

<210> 1383  
<211> 141  
<212> DNA  
<213> Mus musculus

<400> 1383  
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggngga 60  
acatgactgc cttctttana angctncgaa ctcatngggn naaaacnact ggctgngctc 120  
ngnntgctga catggcggag g 141

<210> 1384  
<211> 128  
<212> DNA  
<213> Mus musculus

<400> 1384  
gagccgtgga ttctttctcac acccatgtcc cgccgngaag tggaggaccc acaagggctc 60  
canatgcagc tgnannggca gcgcagaca acaggntaca cttactatc ttgcacatct 120  
gcgagggg 128

<210> 1385  
<211> 323  
<212> DNA  
<213> Mus musculus

<400> 1385  
actgagtgtg gcctcttcct gtgtgatgct ggaggaggca acctgatgat cctctgacaa 60  
ctgttcacgt cagcactaag gaagcagatg gcaatgtcac aggcacagga ttatgaatgc 120  
agaagccatc atgtcgatga gcaggagccc aggattccgg ggtcgagtac cagnnncctt 180  
nacctnggga ntnnaagnct ngnanntggt gnagatnnct natnntcntt ananntgacc 240  
nnagggtcgn acanatggct catatgggtg ngagcactgt ttgcccttgc gaaggctcctg 300  
agttcataat ggccagcaac cat 323

<210> 1386  
<211> 392  
<212> DNA  
<213> Mus musculus

<400> 1386  
tgagtgagat tgggggtccca cggccagctg ctactccgcg tcaaccgggc gtcgctgagt 60  
cagggtctcc ccgaagccta ccgcgtgcac cgagcgctgc tectgctgac gccgacgacc 120  
cgcccttggg acatcactag gccctgaag cgtgcgctca gcctccaggg accccgtgct 180  
cccgcattac gcctgcgcct gacgccgcct ccggacctgg ctatgctgcc ctctggcggc 240  
gcacagctgg aactgcgctt acgggtagcc gccggcaggg ggcgccgaag cgcgcatgcg 300  
cacccaagag actcgtgccc actgggtccg gggcgctgct gtcacctgga gactgtgcag 360  
gcaactcttg aagacttggg ctggagcgac cc 392

<210> 1387  
<211> 129  
<212> DNA  
<213> Mus musculus

<400> 1387  
gactgaggtt ccccccccag gcaggagtaa ggctccaggg gactccaccg ctgtcccctc 60  
ggggccactg cccccctgcc ccagccaagc caatgcaccc agaaaataaa ctgaccaatc 120  
atggcaaaa 129

<210> 1388  
<211> 398  
<212> DNA  
<213> Mus musculus

<400> 1388  
agaccattac cctaaggagg agactctgca naccttggct gaggagctna tactgtggta 60  
agaagtcac agaccctggt tcttcactca gcatcaaaga gagatgaggc ncagatgggt 120  
tttgatgggc tacaagggtt ggataacaca ctgtcactac tgtacaacaa gaaggaccgc 180  
caggcagaag aactccaagg agtgctctca gaatgaccct ggattccccg aagcgttgga 240  
agccttgaag aggctcaagc tctcttcttg gtaccaaagc agagatggca tgatcatagga 300  
tttctgactt ttcaacgtct ttgttggggc aggggtctgt ctatggaaga aggtacatta 360  
ataataaagc ttgcattcat agaatcgaaa aaaaaaaaa 398

<210> 1389  
<211> 397

<212> DNA  
<213> Mus musculus

<400> 1389

gactgaggta	ttcataaaaa	gtctgcctgg	gacgaggctg	gccaggaaaa	ttacaaaggg	60
catttgtggc	aagttgaaat	taccaacacc	cagacatcaa	atgacaaaat	tattgaagta	120
agtaaaatat	ttaacatgag	ctcttaccat	atttcatatc	ttaacatata	ttgttggaaa	180
ttacttcata	aggnttcttc	tagaacttaa	cccaaatcaa	gaagacagct	caacngntaa	240
caggacttgt	gctccttatg	gtggataata	aagaaaagcc	cggaaacntg	ttntctganc	300
ttcngtgtg	cgctctgggt	tgcttatgca	cacacacaca	aacagaaatg	taatttggaa	360
aataaaagaa	gtaccttagg	cctgggaaaa	aaaaaaa			397

<210> 1390  
<211> 216  
<212> DNA  
<213> Mus musculus

<400> 1390

cttcgagtgt	gcttccttta	nggtattacc	tatttcacga	atacttgatg	atatgatagg	60
tttgctcttc	acttgaaatc	aagtgtttga	ctttttacaa	aagtgaacc	ttacccgaga	120
ggagtttctt	atctctggat	ggcagntgat	tcactgtaag	ngntctgngg	cctaactagn	180
gagagatgct	tnanataaac	taagttttta	tgagtt			216

<210> 1391  
<211> 417  
<212> DNA  
<213> Mus musculus

<400> 1391

ccagggcata	aggctagggt	tgaacanagg	gtttncatnc	nnnntgncn	taacggatnt	60
tggaancctc	actcttttac	ctgnnnangg	atgaccagaa	actggagaan	angatatgtc	120
aggaagccaa	ctcactgtgt	gacttgatac	ttacatacga	cggggagtcc	cgagatctgt	180
ctacgctcat	cttcaagtca	gtaatcaata	tcactctgtac	catctgcttc	aacatctctt	240
ttgagaacaa	ggatccgata	ctgactacca	tacagacctt	tacagagggt	attgnnggat	300
gtcctgggcc	acagcgatct	ggtggacata	ttcccgtggn	tgaagatttt	tcccaataaa	360
aacttggaaa	tgataaagga	acacactaaa	attcgagaaa	aaacactggg	tgaaatg	417

<210> 1392  
<211> 232  
<212> DNA  
<213> Mus musculus

<400> 1392

tgactagtcc	gaaacttgaa	tattttacctg	tttttaaaat	gncaagttac	tgctacccat	60
gggcanaagc	tcgnaggcct	catgangcct	gnggttntctg	caaagacggn	ngccnacact	120
tnctcagagc	tctggctagc	cttnctaaaa	nagtctggna	agttgaaagt	cccnaacctg	180
ggnggacnca	gncangnctg	gccanacnta	cagagcttgc	cccatatgat	ga	232

<210> 1393  
<211> 257  
<212> DNA  
<213> Mus musculus

<400> 1393

aactgagggt	cagagntagt	cctcgataat	ngcttgtgtg	tcnatgggga	aatctnaagg	60
cctgaatgac	acctttaagg	aactggagtt	tcttancatg	gccaacagtg	gagttgagtt	120
ccttggcccg	gcttcccanc	ttgaataaac	tccggaagtt	ggaacttagt	gacaatataa	180
tttctggagg	cttggaagtc	ctggcagaga	aatgtccaaa	tcttacctac	ctcaatctga	240



gtggaaacaa aataaaa

257

<210> 1394  
<211> 130  
<212> DNA  
<213> Mus musculus

<400> 1394  
gtacaaaggt gaaacagcta anaaacctat aggaatctca nagctactag nctacnttnn 60  
ggnagaacat acaatcagaa gaccatcttc anaantncta gaagtcattg gaaggaactt 120  
ttattctgca 130

<210> 1395  
<211> 164  
<212> DNA  
<213> Mus musculus

<400> 1395  
tgagctatcc catctgtcna agggagantt acacagagca atggtaaaga tctgggtcatc 60  
tacctcgaga agaggcgata ctacgggaat caatctaatt tataaaacca ctcacctatg 120  
tacacagacg ctggctgaat catgcacatc tgaacgaggg acga 164

<210> 1396  
<211> 329  
<212> DNA  
<213> Mus musculus

<400> 1396  
cttataaaaag ctgttggccc tgctgctggt atccaaaaac agttttccgg agaaactttt 60  
gaagaaagaa ttgattgctc tgggaaatgc gtnttgccag gtttgntgga cgcacacaca 120  
catccggtgt ggnncngggtg aaagagtcca cgantttgcn atgaangtaa ctggaacgga 180  
cggcagcaaa tcaatacagc cgcaaacagg ggaatgtctn tactagtgat tgcntaanng 240  
gccaacctat gccacatata tttttaatgg gtttatcttt acttggctta ataaagaaca 300  
caactgacca ttaaacttaa aaaaaaaaaa 329

<210> 1397  
<211> 382  
<212> DNA  
<213> Mus musculus

<400> 1397  
ctgaggggtgg tcctggactt tgtgagcacc tctcaagtcc tgtgatcgga tactgggtag 60  
cccactgttc cagaggtcta cacatgcact cactgtgacg gnaaggaacc tccttccatg 120  
gggccactct accttgtgcc tgaaaatcca tttgagaagt aggcctgcat tctgcaaagc 180  
tctgcacttg tttccaaatt acatttaata aagaaattgc aggtacttca gctgaaattg 240  
aaggagagag ggaaggctgg aacatcagca gcctactggg gctttcatac ttacttttca 300  
ccttagatga cctcctaaga gtttttgatt ttggctgagc taaaataaac ttctccaagt 360  
gttactgtga ggaaaaaaaaa aa 382

<210> 1398  
<211> 103  
<212> DNA  
<213> Mus musculus

<400> 1398  
gaactgaggt tcccagcagt ctaccttgtg aaatgtttta ggctaagaag agtccagcaa 60  
cagctaactg agagacctga ataaaagggt aaattaaaaa aaa 103

<210> 1399  
 <211> 427  
 <212> DNA  
 <213> Mus musculus

<400> 1399  
 tgagaaatgg aggcaaacga ccattttaac tttactggcc ttctctctgc accagctgcc 60  
 tcaggactga aaccctntcc ttctctgggg gagggcctct acactaacgg gtctcccatg 120  
 aacttcccc agcaaggga aagtttgaat ggggatgtga atgttaatgg cttatctact 180  
 gtatctcaca ctactacttc agggattttg aactctgctc cccactcctc tagcacctca 240  
 cacctccatc accctaacgt ggcctacgac tgtctttgga actactcaca gtacccatct 300  
 gccaatcctg gcaacaacct caaggaccca ccccttcttt ctcaagttccc tgggggacaa 360  
 taccgcgtca acggtatcct tgggggcaac cgacaacctt catccccaag tcacaacact 420  
 aatctaa 427

<210> 1400  
 <211> 227  
 <212> DNA  
 <213> Mus musculus

<400> 1400  
 tgctatcaat tatctactga gacccagnga acngntaaaa tcacngtcaa agagaanagg 60  
 gtggagagag gaggaggggg aanagcttan ttggggccaca ggaagacagg aagcantcat 120  
 ttacttataa aagaagtcgg cattcattca gcgggctgcc tttgtcttct tccaagcctg 180  
 nctgaaaatg ncatacttcg gcctggagac tttcaacgaa aaaaaaa 227

<210> 1401  
 <211> 508  
 <212> DNA  
 <213> Mus musculus

<400> 1401  
 gactgaggaa aatactacat agctaccatg gccttgatca ccgcctccac agcccttacc 60  
 atcatggtga tgaatatcca cttctgtggg gcggaagccc ggccagtagc acactgggccc 120  
 aaggtggtca tcctgaaata catgtccagg atcttggttg tctacnatgt gggtagagagc 180  
 tgccttagcc cccgtcacag ccaggagcca gaacaaatca cgaaggttta tggcaaactt 240  
 ccagggtcca acctgaaagc atccagaaac aaagaccttt ccagaaagaa ggaactgaga 300  
 aaactcctaa agaatgacct agggtagcag ggtgggatcc cccagaatac tgacagctac 360  
 tgtgcacgct atgaagcact gacccaaaat attgaatata ttgccaaatg tctcaaggac 420  
 cacaaggcca ccaactccaa gggcagcgag tgggaanaagg tcgccaaagg catanaccgt 480  
 ttcttcatgt ggattttctt cgctatgg 508

<210> 1402  
 <211> 408  
 <212> DNA  
 <213> Mus musculus

<400> 1402  
 cggttttcaa cttggacgag gagagtogat ggactgtcca ctacacggca ccatggcatc 60  
 agcaagagaa tgtgttcctt cccgccacaa gacccccctg tggttaggac ctgcaccgcc 120  
 aagccaagct caacctcaaa tcagtgtgta ggggaatgtga caagctgagg caagatggct 180  
 gccgaagtgc tcagtactat tctcagggac ccacctttgc agccggctcc agccccctgcg 240  
 acgattatca agatgaagac acagaagcag accgaaagng ctctctctct tcatctgaag 300  
 aanaaagatt tatcggaatn aggagaccta naaaccccan cttaaggnga ctttctccga 360  
 ccttcatact cagacaaaact gggaccaagt ccctgccgct gccaacac 408

<210> 1403  
 <211> 199

<212> DNA  
<213> Mus musculus

<400> 1403  
tacagtcaga ggagggctgc tgtngctgtc aggatggctg nggancanga ctttgcccan 60  
ctgtgcnggn tggncacaca gccctnccac tcccactgtg gtcaacaata cctancngaa 120  
gcacacagna ctcccaggcc ctgctccggg gccngctggc tntncgagac agtgnggatc 180  
ctctttgacg tttccctgg 199

<210> 1404  
<211> 246  
<212> DNA  
<213> Mus musculus

<400> 1404  
tgcaggacag acaggggna gangtcnagg cnncaagtct actggncatn ttggctctaa 60  
cctgacggcg cagtcatatg caagaaggac aacggaaggt taagttctgg cagagcacia 120  
tggcccttaa tgcctttaat ctcaggcagg cagagctctg ggagtttgaa gccagcctga 180  
gctacagacc aggacagcca gggctatata gtgagacctg tcttgagaaa agcaaaagaa 240  
aataaa 246

<210> 1405  
<211> 248  
<212> DNA  
<213> Mus musculus

<400> 1405  
gaaccccagc tccctccccg gtggcgggcg cgactcttac tggacganct tggctggatc 60  
cccattggtt ncatanacca ncgcccgcac ccngacggc tcaaagagag cggagtagga 120  
ggatgtggtc cggccgtggc ggnaccaagc ctcgaggaga cccgcaagct gaggtgcccg 180  
ggctcgcgcc ccttgtcact cgntggctga ccaacatgct ggttccagca ctggcagaat 240  
ccggcgac 248

<210> 1406  
<211> 162  
<212> DNA  
<213> Mus musculus

<400> 1406  
tcttgttcat ggccaggncn caagacgcgg gacaagcctg tatgt nagat gccntntnn 60  
ngaaacctga gctntgccta gaggantggc cttcagtgc tccgatgana gcaangagan 120  
cgaangggac tggccatgca ccccgggggtc gtcaaaacaa ta 162

<210> 1407  
<211> 214  
<212> DNA  
<213> Mus musculus

<400> 1407  
gactgaggaa caagatcacc aangacctgn gttctttgtg gttgngaacc nattatttan 60  
ccacatntga gcctcagtn tccctgntgg gaaactggna ctaanacttc ntatctactg 120  
ggctgctcct aagctaggta gaatngtcac gangaaggan agcatgacag aacaggagga 180  
ctatntgtca gattccttca ttaatgttca agaa 214

<210> 1408  
<211> 244  
<212> DNA  
<213> Mus musculus

<400> 1408  
gctgaggtag tagcctgggc acaggccata nttacttctt gnggaactct caaangncgn 60  
acaggaagcn tggctnngct ccataaacct taccaccgag caatacagtg ccttcccttc 120  
ggcatttgca agtctgcagn anggacctnt cgtgcttctt tcttctctta ccttgggcca 180  
ctcctggaaa gngaggntac tcttcccagt tttgaggtat gctgacatac ctcaaagtat 240  
taaa 244

<210> 1409  
<211> 188  
<212> DNA  
<213> Mus musculus

<400> 1409  
tacttttgtt ttttttactt ggcttnggca atngcaaagc aatggctggn aaaatntgcg 60  
gggttcacnc angaatttcg gggacttgag agttcctcag ntaataann agtaangctt 120  
gttttcagtt tcagacctcc cgaagctacc taagtttgaa aaagcttgag ctgagtga 180  
aaaaaaaa 188

<210> 1410  
<211> 412  
<212> DNA  
<213> Mus musculus

<400> 1410  
tccgtggtgc tttatctggc tgtgncactc atggacccca ggcgtatgng actactcagn 60  
cccatntctc acaggngagc ccanggagga acaaggcagc catggttnac tcangccgnc 120  
ccactccggc gctgaanaca ctgtntgggt ctgnagcccc tgcgtgcccg gcaactgtcgt 180  
gattgccgcc gctgagttcg ncgctatgat caccactgtt cctggatgga gaactgtgtg 240  
ggtgaacnca nccaccgct ctttgtggnc tacctgncac tgcagctggn agttctgctg 300  
ngnggnctgt gcctggcatg gtatggcctt cagttgttac agccctggng gatgnggctc 360  
cggtagactg ggctgctgat caccaccttc ctgctgctgt ccttcttctc ga 412

<210> 1411  
<211> 499  
<212> DNA  
<213> Mus musculus

<400> 1411  
aactgaggag ctgagagccc tgaccccagc actcctgaac cctctctcat ggcctcagac 60  
atctggctca gcatgggact caaacaacag aaattaagca tactgaaacc ctaaggagga 120  
tgtgtcatac tacactctac acaactacaa agtgtcaagg aaagccgggc ctctggggct 180  
ggcatctgta cacctttcta caaaccgatt ctttgtgggt gcagaatggc tattaccttt 240  
ctggggctag tgctcagggt acaagcttct gtgaaggata tcttcaaact ccttgagact 300  
gcacctgggt gccgtggata acagcagcag gaacctgatg gctacaggtc tggaagagca 360  
gctgtcagga tcgggagaag ggatgctggt ggccaacaca gtctgctgtt ggaaagagcc 420  
tagttttctc ggctttgtgg ggtgtggtcc atgctgntcc tcttttagtat ctgagaccat 480  
ctgtgctggc aggtgcttc 499

<210> 1412  
<211> 273  
<212> DNA  
<213> Mus musculus

<400> 1412  
ttttctcttc catcctctc tcccctnagg ctctttccct ctnnttctng gncccccnnn 60  
nntgcttg nttntcctgc nntntcaagt tcatgcaccn tgcagactnt gaangctgaa 120  
ggtaacggcc agtgacgnt tccatgggtt ttgtcttcgn ggacatgctt tattattttc 180  
aaggccatgg atttactact gaaacttttt cttgattgcc ctttaacaat ctcttctca 240

aaataatata taattataag taaaacaaaa aaa

273

<210> 1413  
<211> 558  
<212> DNA  
<213> Mus musculus

<400> 1413  
ggtaccctcc gtcgaatatt cctcccagca tcagaacgaa tgtggtanga caagacttgg 60  
aatggaggac tgggtcccaga atgggtctgt ttgggatgtc anancagaat aacttctctg 120  
tgggcttgac tgccttttgg gtgggtgctg gagatcaaac ccagagcctc caagactcac 180  
tctcccgtcc gcccgccaag atnccacctc atccgtcaag gggctgattt tgactanctg 240  
gttcagtgtc gtcattttaca gaacccttgt gtgtgacttt cagtcagttc cctccttcca 300  
gcaccccggg aaattgggca cagtagaaaa tgtnatctca gcagttgata agcaagtggg 360  
tcanaagctc ggaatcacct tgggtacac aaaggagtga gaaggncagc ctgggcttca 420  
tgaaacccgg tcccaggaat ctangagaag aacaagncaa nacgaaaccc naacctgttc 480  
tctccgttct gtncaacttta tccctcagtc ctcagaatct cccgantctg aacccttcc 540  
aagcatgtcc atttctctg 558

<210> 1414  
<211> 468  
<212> DNA  
<213> Mus musculus

<400> 1414  
gaactgagag aatgggttttc tgaaagcaat aggactgcag atgttaaact gaatttctga 60  
ctgtccagga ggaaccggca tggaaccgc atggtacttc ctgctgcgct cttcacactt 120  
gccaggccaa ggttctgtta cctcaagatg ggggttagtt tcaagagtag ctggagggct 180  
tgtttctctga gtcacttctt tgtgagccca tgctctgtga aggagaaagc aaatagtng 240  
tttgtgacca actctatcaa gaggactctt gtgaaagcag catgccagct ccccagcctg 300  
tctctgcagg aactaccaca gaacaacaac aggcaacctg ggccttcctt aagcacactt 360  
aaaggagtgc ctgaacatat cttaaaaggt atttcttggg aatttatggg aactgggttt 420  
caaggacaat gagcaacttc acatttaata aatgaaccaa gttcttgg 468

<210> 1415  
<211> 751  
<212> DNA  
<213> Mus musculus

<400> 1415  
gtggaagaag acagcgattc agagacctat ggagaagaga atgacgagca aggaaatatt 60  
tctagaagaa agattgtctc caactgggat cgctatcaag atactgaaaa ggaggtcaat 120  
ggtgaaagtg gagaatctca gcggggcaca gacttcagtg tcctcctgag ctctgcaggg 180  
gactcctttt cacagttccg atttgctgan gagaaagaat gggatggnga aacttcatgt 240  
ncaaaacaga attnancact ctacgtggac agtgagtcac tggttcgagc ccttgagcag 300  
ctgcctcttg cagtccggct taatgttgct tcanaattga tccagaccac aattccttta 360  
gaacttnac aggtgaaacc aaggagaaac gatgatggca aggagctggg catgcattta 420  
aggggaccca tctctgagct cagatctgct gctgggtgctt gcccaggtc tctgggcana 480  
ggcagctctaa ggcaaagccc tttanaaagg tttgcagaaa gcacctacc caacacagtc 540  
agtggcagac cacctggaag aagaactana tatgtttgct tgcatttana atncacctgt 600  
gccaagaang aaggcaatat nntctccaga cccaggacat tcttnggnga ccnaggaacc 660  
catnaaaaaa gnattgggnc nanggtntn cccaaggaan ggaaaacnag ggtnccttgg 720  
aaaaaaancc ctttttttgt ggaaccccc g 751

<210> 1416  
<211> 389  
<212> DNA  
<213> Mus musculus

<400> 1416  
 cactgaggta accatgatga tgacaaagga tactgctgng actctcactc cctttgagga 60  
 caccctgact cggatgcttt ttggccggcg gcagcagcag cagtttnat cnagtgaana 120  
 gaaaactgaa gtcaaaccgt cttccaatgg ttctgcctca agtgcacga agcggggagc 180  
 agagccttcg ggtggtgcta agagacacgc caagaaagaa gactgagggt cgccctgggc 240  
 gtcggaggca ggaggaggag ttactttctt cagagtgtgc ccgtgggttct gtgaatgatg 300  
 tgagagagcg cttatgtgta aggggtggagg agacaaaaga ggaagtgtt tggttcaggg 360  
 acacccgctc gcttttctgg gccgtaact 389

<210> 1417  
 <211> 190  
 <212> DNA  
 <213> Mus musculus

<400> 1417  
 gaactgagga gtcttactat atcgctcctg ctgtttctcca cctncggnga tcaaactgnc 60  
 cacgtcagct tccggaatcg aagggaanat agatgtgtgt gngctacca cctggcnagc 120  
 cctaaagttg agatgtngaa actgtgggtg cactgaatgn ctgttctact aaagagtgtt 180  
 gttcttctga 190

<210> 1418  
 <211> 337  
 <212> DNA  
 <213> Mus musculus

<400> 1418  
 tcatcatcat catcangang tggataaaaag tatgggncga cccaagtnaa ataaacaggt 60  
 atntaggatn agaccttnan gnggnagcng gggtnngcnc caccctntgc cagcaagccc 120  
 ccggnaccca agaccccat catcgaagaa gaacagaaca actcagcaaa caccagaag 180  
 catccttcca gaaaaagnga actgaagagg ttctatacca ttggttaaan taccggcaan 240  
 agtcccnaca taatgaagag caancanatg caaatatttt tctcacactc ttccgnaatc 300  
 tgcttntaca ctgaaaaaga gcctgctgaa ttaggaa 337

<210> 1419  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

<400> 1419  
 gtcaattatg gaaagggctg atgaacgcta acagcgcttc ccactcccc agctgaaact 60  
 atagaggggtc agaagcccca aactgctgag ctctgcacac agtgggagga gtggctgtcg 120  
 ggaggggaag cagagaatgg ctgcgaaga gaccctgggt tctaacaacc agctcaagag 180  
 aagttcctag tgattaaatt aataaactga gctcaacaaa ttgaaaaaaa aaaa 234

<210> 1420  
 <211> 151  
 <212> DNA  
 <213> Mus musculus

<400> 1420  
 tctccatcaa agcatctaac acaancctaa atcctaatag ccctgcctta catcctgttg 60  
 ctgagatgcc atgtgattta ctgtgatttg tggttctccat ttctccaatg agtgataatc 120  
 acagtttgtt cagcttgcag gaaaaaaaaa a 151

<210> 1421  
 <211> 733  
 <212> DNA  
 <213> Mus musculus

<400> 1421

gacaggacag	tgcttggtta	angctatatn	tctgctgtct	gagcagcaac	aggtcttcga	60
gatcaacatg	atgttcataa	tccaagatg	ttgccattta	tgctctcaga	agcaagcaga	120
ggcatgatgg	tcagtgcacg	taatgtcact	gtgttaaagt	ttgctatgca	gtttggattt	180
ttctaagtga	gtgtaggtag	aacatatgtg	ttctgtatga	attaaactct	taagttacac	240
cttggtataat	ccatgcaatg	tgttatgcaa	ttaccatttt	aagtattgta	gctttctttg	300
tatgtgagga	taaagggtgt	tgtcataaaa	tgttttgaac	atttcccaa	agttccaaat	360
tataaaacca	caacgttaga	acttatttat	gaacaatggg	tgtagtttca	tgctttttaa	420
atgcttaatt	attcaattaa	cacogtttgt	gttataatat	atataaaact	gacatgtaga	480
agtgtttgtc	cagaacattt	cttaaagtga	tactgtcttt	anaanagttt	aatatagcat	540
gtcttttgca	acatactaac	ttttgtgttg	gtgcgancaa	tattgtgtag	tcattttgaa	600
aggagtcatt	tcaatgaatg	tcanattgtt	ttgaaagtta	atgaacattt	taaatgccaa	660
ctgttncggg	tttaaaaaca	aactgtccga	ancttgaact	aaaattaaaa	ncgaantatt	720
caaagggaat	aac					733

<210> 1422  
 <211> 231  
 <212> DNA  
 <213> Mus musculus

<400> 1422

gactgagata	tacatgtctg	agtccacggc	ggctgaatcc	aagtctgcat	gtgaaggagg	60
agggacagga	ccattcgatc	tccagccttc	cccctactcc	ctcaatagct	tcggccacac	120
cctccctccc	taagacgtgt	gccccaaagt	gctctttggg	gctctgcagt	taagggtcct	180
cctgagaact	gataggagaa	tgaagaagat	gacgagttgg	ggggtaagag	t	231

<210> 1423  
 <211> 297  
 <212> DNA  
 <213> Mus musculus

<400> 1423

tgagggtgctc	cctgactcgc	agcatctgtt	aatccagcct	aagcccacag	tcctggctag	60
gtcctgacac	atgtgacaag	tgcatgacat	ctgggtggctg	cagaatgaag	atataacggg	120
caaacagaag	cctgggagtg	ttgggtggctg	tgaagtgggc	caaactaagg	atggttttac	180
attatgtgaa	gcanaagaac	agagtgtgca	atcagatcaa	gcctcacctg	cagccaggac	240
tgccctcttga	ttctgcaact	tcagctgata	aactgctttt	atcttttaaaa	aaaaaaa	297

<210> 1424  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 1424

attttacagt	gaggaaactc	ggtgtatgca	ggatagggaa	ctctacatgg	accacagaag	60
gcaaaagcct	gctgctttcc	tgtgcagggt	ggagtgtact	aagttagcat	cctgtgatgt	120
acttgcccca	gccagcaaca	gcagagaagc	acacaggtaa	cacagctcct	tgaagttgga	180
ccctc						185

<210> 1425  
 <211> 282  
 <212> DNA  
 <213> Mus musculus

<400> 1425

gactgagggg	acaactgagg	ctgagccaga	ccttgacttt	gctgccctaa	ggagattatc	60
aagggtggag	ccatcctccc	tagatcactc	tattgttcag	ccactgtccc	gttcctcttc	120
aagatactgc	tacctgccga	agcaattccg	gagactacac	cctgtcctac	acgtgggtcac	180



ctgcagctgg gctccaagaa tgaattggcg agaatgggccc tccccctcct ttataagcgc	240
atttgccatt aaacatttga gccttgatct gaaaaaaaaa aa	282

<210> 1426  
 <211> 222  
 <212> DNA  
 <213> Mus musculus

<400> 1426	
actgaggccc aggaagtgag gccggtngaa gcaccnagcg ccaaggantn ttccactcct	60
actgggtaaa agcacncggn ctactcggag cacaggaaaa agcccagaaa acctggccca	120
gcccaggcct ntctccactc cctgcttgac catgcaggaa aacagacaca antatcttcn	180
gggcatttca cccngnggat taaacataga agaacaaacc cg	222

<210> 1427  
 <211> 287  
 <212> DNA  
 <213> Mus musculus

<400> 1427	
gactgaggtg ggtttgggct gaggtaganc ngggcagcgg ncatnatnac ttnttgtgga	60
actctcanag gnnngncagg angnacaggt ggccaccatn nccaccagga ggcanncag	120
gagagcncng atnacncnca cnatgatnac tgnggcgnac accaggtcca cctgctttnc	180
tggatcttcg gggctctgtg gagacaggcc agngtctgag atacacgccc aaatccttcc	240
ctgatectcc ccagacccca ttgctacccc acgtatcctc atcatgg	287

<210> 1428  
 <211> 294  
 <212> DNA  
 <213> Mus musculus

<400> 1428	
tgtgtggagg agaaatatac actgctgagg tcactcattg ttcanagact gtcagtgtag	60
gaacatggac cattctaata ggganaagga tgatagacaa cggacaacta aaaccatggn	120
acaaaggaat acacactgtt ngagaccatn tggcacttna acatcctctg gggtnctcat	180
ggngggaccc aacttnaggg ttggcaagaa natagggtgt gggaaacttcg gngagctcag	240
attaggnan aatctctaca ccaatgaata tgtaaccatt aaactggaac caat	294

<210> 1429  
 <211> 434  
 <212> DNA  
 <213> Mus musculus

<400> 1429	
gctgtggatt cccagtttac agagggtgaag gtgtaaacga gtgtcgggaat ccagcacact	60
gcaggnggag ctcaaagtga cagctttgct tagctgtcag aaggaaggag gctctcccag	120
aatcccatgc cctgaagccc agggtcatat cctctatctt cacaaaacat tgttgctaga	180
ttggactttc taatcatctt aatagtggca actactgaaa tttgcctcgt ttcttatcta	240
aggaataatg ctgtcagcat gtctgcatac tccatgctct ccgacagaat tgtcatggcc	300
aaggaactga tcaaaagagc agaatcactt tctcgggtccc gaaaagggtg catagaagggt	360
ggcgcaaagc tgtgcagcaa actgaaggca gaactcaaat tcttgagaa aatagaggct	420
gggaaaaaaaa aaaa	434

<210> 1430  
 <211> 353  
 <212> DNA  
 <213> Mus musculus

<400> 1430  
agaactgagt gaatgctgac cagtgagatg ccagcctgcg tgtgaagatc ctacagcaga 60  
agtgcattggc cagtgcacaca agaacttgcg agagatgccca gtccgcctgt gaagatcctg 120  
cagcaggagt gcatagccag tgacacaaga cgtgcgaatg aaaactagat gtgaccatcc 180  
agaaaaagca tagacaaaaa aatgcagtct tagtactggg atgtttgaga tggggctctat 240  
ctacatgtct ctagctgtcc ctatcaggac agcatctggt gtggcctgca gagttgattc 300  
ctgtactttt ttttttttgg gggctgtttn taaatggatt gttttgacaa tcc 353

<210> 1431  
<211> 335  
<212> DNA  
<213> Mus musculus

<400> 1431  
actegccttc tatggccaga accttcnttg ncagtgtntc ctggngcgnc tggntnttta 60  
ttanancctag atggcactag anggaagaca ggccgaaanc gaantcccag gcttccttta 120  
tgntaanagc gatnaggcct ttacaagtct antattgnga gtctccagag agancagagc 180  
tctcctacng actagcttaa acctggagtc agcgagatnc taactgctgt cagangaatg 240  
ggcccaagga gtcnngaaag aanccctnca gggnggattg ntgtgaagtg ggtgatgact 300  
atanaagctc gaggccagga gctgatgtta ttcaa 335

<210> 1432  
<211> 256  
<212> DNA  
<213> Mus musculus

<400> 1432  
gggcacagat tgctattaca ccaaggggac agagctattg agtgggagaa gtggaatttg 60  
aataagccag ggngcacaga ttagtgagga acctaactgg aacctaccaa ctagaaactc 120  
aacatacagg gaggacaatg aagaaacctt caaagaaacc agttcctgtt gccctaattc 180  
aacaagtttc aacaaagaag tacactgaaa ctttactgct atgcaataaa gcacagcaaa 240  
ctgggaaaaa aaaaaa 256

<210> 1433  
<211> 136  
<212> DNA  
<213> Mus musculus

<400> 1433  
acggtggctt gtgctggana gatggctcaa cntttaagan tgccgacngc tcttnnaang 60  
gncctgagtn naaatcctaa caaccacgtg gtggctnata nccacccata acnaaatctg 120  
atgccatttt ctggag 136

<210> 1434  
<211> 226  
<212> DNA  
<213> Mus musculus

<400> 1434  
actgagaaag gtttaactga ggagggaaga ccacctgcc tatgtgaggc caccataccc 60  
atgggctggg gtcctggatt gaatcaaatg gaggaagcaa gctgagcatg aacattgacc 120  
ttcctgactg cagatatcan tgcgatagct gtntcctgct tcttctacta tgcctcccc 180  
ttccatgatg gactgtntc tgaaactgng agccaaaata tacact 226

<210> 1435  
<211> 497  
<212> DNA  
<213> Mus musculus

<400> 1435  
actgagacac atgtcggagg cgaggnttat ggccagagac gtcatacaaga ctgttccaca 60  
cgaccaggtc ccccaacctc cagtggcctc tgagactccc agcatgaagg agcctgtggc 120  
tggggaaaac cttagtcctg tgagagacgt ggacctcatg gagtgcgtgg aaggcagaaa 180  
ccagggtggc ttgaggctgg cctgcacatg cgatgagatg gacctgtgtc tgcggagccc 240  
ccgtctggtc cagctgcctg ggattgctat acacagactc gctgtcacct acagccggac 300  
aggtgtcaga ggtattttca ggagcctgat tcgaagcctc accaacctca gggaaaacat 360  
ctggtcctgg agagtcttga ctccctggcg ctgggtgtca cctgaccagg accctgggca 420  
gctgtttcca atgggtgctgc tggctcttct gctgctgggt ggggcctggg atttgcagct 480  
tcagtgaagt gcagctt 497

<210> 1436  
<211> 211  
<212> DNA  
<213> Mus musculus

<400> 1436  
aatggccccc gcgccgaaag aagattgcct gttagttctt tatcaatata acggcngnac 60  
ngagaagaga agctacagtg tgccttttgg ttggttttac caatgtgaag cagttttcag 120  
aaaggagnac taccacagga gcctcgttcc aataaaaaga gtgcgtgcat acctttttaa 180  
gataagcacg tgatctagat cgaaaaaaaa a 211

<210> 1437  
<211> 222  
<212> DNA  
<213> Mus musculus

<400> 1437  
aagctgggtg tgttggcaca tgcctttttaa tcccagccat caggaggcag aagcagactg 60  
gatctccagg agttcaagac cagcctgatc tgcatttggg gttccagtgc tgaatattaa 120  
cccaaggcct tgtgcatatg aggcaaacac tccactacgg tatacattta gcctatactt 180  
tgaattttta gaatagagat gttcaaactg caaaaaaaaa aa 222

<210> 1438  
<211> 389  
<212> DNA  
<213> Mus musculus

<400> 1438  
tgagattgtc tagccgctcg atggggagtc cagaagaccg cctgtgtgtg tcagatcccc 60  
acctctctgt agcaagagaa gtaactacag cgccttcaca gtcataatga tgaaactggg 120  
attaactgag tggcccttat ggattttttaa ctctaactca cagttagcca gcaagccata 180  
tgtttacagt tcaacaaaaa acccttcgtg ttgctgcact tcttgtgaga gggtgagacg 240  
cctgttggtg cagagtggaa tacaagagtt acttgccgtg gaacacacct gcagcagagc 300  
gagaagacgt cttaatttat cattggagag agatgatagt attatttata taggtagaat 360  
aaatatatat ataaatatat atatttttg 389

<210> 1439  
<211> 117  
<212> DNA  
<213> Mus musculus

<400> 1439  
aactgagagc atactgccct gctggtagtt cataccatt cctgancaac actgggtttt 60  
gccatggaat ccttagatcc agcgggggnt gggcagtnng ccactgttca aaattaa 117

<210> 1440  
<211> 276

<212> DNA  
<213> Mus musculus

<400> 1440

cttacagagg	ggatcttngg	aagctgtgcg	gataacaann	gcncgangga	gaaaacaaag	60
atcanaatca	gttctccttc	caagcactca	gccaggccaa	gccagagggtg	actctgcana	120
gagtcacaac	cccttggtct	cctgcgtcag	atgccacctc	tcctaagaga	gaactcaccc	180
aagatgtgnc	tgagtccaag	ggaagtccgn	gnccctcana	nacagaancg	ccttcactgg	240
ncanctcann	ggaacctttt	cttgctaata	aagata			276

<210> 1441  
<211> 427  
<212> DNA  
<213> Mus musculus

<400> 1441

actgaggatt	tgaaagtatt	cttgagggct	gtttggacct	gcgttattaa	aagatctcag	60
tttatattaa	gagtgtgacc	ctgaaagcat	ttctgattgg	gccgtntgat	gaaaattgtc	120
tgttctgttg	cttgaanaga	gataaagnaa	agggacattt	agtcgggtctg	gatgaaccag	180
cttccggagc	tgggcaagaa	gctttgctta	agcaagagca	cgcaaaaatc	attcgactcc	240
agagacaagc	agaagagttc	ctcaatgcag	tcttttatag	aaaagggttg	tttcagtggc	300
aaacgacaca	gctgtctgct	tgtcatatat	taatttcctt	aatatagatg	tcattttaag	360
ttactcttca	aatatctctg	tattccttta	tcacattaaa	tttgaataa	cgtaagaca	420
aaaaaaaa						427

<210> 1442  
<211> 585  
<212> DNA  
<213> Mus musculus

<400> 1442

tatctgttcc	caggatgagt	aacagccacc	ctcttcgccc	ctttactgca	gtgggggaaa	60
tcgatcatgt	gcacattttg	tctgagcata	ttggtgcctt	gttgattggg	gaagaatatg	120
gtgatgtcac	gtttgttggtg	gaaaagaagc	gctttcctgc	ccacagggtg	atttttagcag	180
cgagggtgcca	atatcttcga	gcattactgt	atggcgggat	gcgagagtcg	cagcccgaag	240
cagagatccc	tctccaagac	accacggccg	aggctttcac	gatgctcctc	agatatatct	300
acacggggcc	gggcgacgct	cactgatgag	aaggaggagg	tgctgctgga	cttcctgagc	360
ctggctcaca	aatatggatt	tccagagctg	gaggactcta	cttctgagta	tctctgcacc	420
atactgaaca	ttcagaatgt	ctgtatgacc	tttgatgttg	ccagnctcta	ctcgcttncc	480
aagttaaact	ttgtatgtgc	tgcatgttca	tggacagaaa	tgctcaggag	gtgctggcca	540
gcgacggcct	tctctccctg	tccaagacag	cacctcctga	atatac		585

<210> 1443  
<211> 456  
<212> DNA  
<213> Mus musculus

<400> 1443

gactgagggtc	ttgaatacca	tcatggccaa	accttacgaa	tttaactggc	agaaggaagt	60
gccctctttc	ttgcaagaag	gagcagtttt	tgacagatac	gaagaggaat	cttttgtgtt	120
tgagcccaac	tgcctcttca	aagtagatga	attcggcttc	ttcctgacgt	ggaagagtga	180
aggcaaggaa	ggacaagtgc	tagaatgttc	cctcatcaac	agtattcgcc	aagcagccat	240
accaaaggat	cccaaaatcc	tggctgctct	cgaagctgtt	ggaaaatctg	aaaatgatct	300
ggaaggggcgg	atattgngtg	tctgcancgg	cacggatctg	gtgaatatcg	gcttcactta	360
catggtggct	gaaaatccag	aagtaactaa	ngaagtctga	accactggg	tggtacctnc	420
cctgagcaag	ctaaggggagc	aagccaggaa	gctgag			456

<210> 1444

<211> 199  
 <212> DNA  
 <213> Mus musculus

<400> 1444  
 gactgagtat cgttgatctg atggggcccag ttcattatca gcttcaactg tcctgtgtcc 60  
 tgaggctttc gaacattcct tgtcctgtaa ggaggtgaca gaggcagact gtgacccgga 120  
 agacacttgt gattacctgt aacaaacgtt gatgttgaaa ctaataaaga attgttgttt 180  
 ttttaagtcaa aaaaaaaaaa 199

<210> 1445  
 <211> 183  
 <212> DNA  
 <213> Mus musculus

<400> 1445  
 cctcgagaac ccaggcaacc acagacagac atcagagccc tgtctcgcac tgcttgattt 60  
 cctcttgatc tcctttggca gacactcaaa tgcaatatga gattcagtga tgtaactagg 120  
 ctgcggattg tatacaactc actctttaat cactaaaagt aagaaaacat aacagaaaaa 180  
 aaa 183

<210> 1446  
 <211> 617  
 <212> DNA  
 <213> Mus musculus

<400> 1446  
 gcagactgag ctcttacttc tggggacgaa ggaaaatcca ggattaaaga caatccaggc 60  
 caccctgtct aggcaaggga tcgaccatga gtatctttcg tcagtggatt taaagcaacg 120  
 ctttccaaac attcggttca ccaggggaga agtggggctc ttggacaaga ctggagggtg 180  
 cctctatgca gacaaggccc tcagagccct ccagcatata atttgtcagc taggaggcac 240  
 tgtgtgtgat ggagagaagg taggncttnt nctanngnga ctatnngnca cagtgaaaac 300  
 caccttgaag agctaccaag ccaacagctt ggtcatcact gctggtccct ggaccaaccg 360  
 gcttctgcat cctctgggga ttgagttgcc tctccagacc cttaggatca atgtgtgtta 420  
 ctggcgagag aagggtccctg ggagctatgg ngatatcaaa gcttttccat gcctcctggg 480  
 tctggatctg gccccacca catctatgga ctggcagcat ncgantaccg ggggctgatg 540  
 aagatctgnt tnaccatggt gacnatgtgg acccananga accgggactg ncccaaaacc 600  
 nttttaagac cttecca 617

<210> 1447  
 <211> 489  
 <212> DNA  
 <213> Mus musculus

<400> 1447  
 aactgagagc gctgatacaa ggcattgctt agaagtgtga ccgcttcctc tggctcgcagc 60  
 aggccatagt ggggatctac tttgaccaag tggaaatcctg ctctcgaccc tgcagaggtc 120  
 tttggcacag aagggaagag gacaccccaa aacatgctgc tgcagctgct gatgtctcat 180  
 caccgcctgg ccagcccttg gcttttgtgg ctctgtgacc tcagagtctc tcaaggaagc 240  
 agtgggctga ccttcaactg aagcagcctg gaggtgctcc ctgctgggtc ggattccttg 300  
 tgtacaccat gaatcaggga attggtttct actgatgcag atctgtaggg agcagaagct 360  
 ttggtacagg aagacataac taatattgta aactggagtt caatactttt tcttactgag 420  
 ttaggacctg gaacaatgac atcattcctg ttggcttatg taataaatac tgaagatcca 480  
 aactagaga 489

<210> 1448  
 <211> 172  
 <212> DNA

<213> Mus musculus

<400> 1448

ggtaaaatgc	caatctcagg	catcatgacc	acaccagnag	aagaactaca	aggaaggctt	60
tttcaccttt	gacaccacgg	acgcccagnc	tgatctgttt	ttgcacataa	ttaaatgtat	120
tcttctacgt	ttatggcttt	gagattnaaa	anacngtgct	tgtgctttgc	aa	172

<210> 1449

<211> 103

<212> DNA

<213> Mus musculus

<400> 1449

tactggacca	gagattatct	gcccggnaat	tgnntncnct	cccccttgct	tcataactga	60
gtgtngcaac	agtaaaattg	gagctttgat	cagaaaaaaa	aaa		103

<210> 1450

<211> 196

<212> DNA

<213> Mus musculus

<400> 1450

gaactgaggc	tctataaagg	acatgggaag	gnaggangen	ngntntcttt	gcctgcttgc	60
tctcactggc	attagagcct	actgaggcag	ggtgtccagc	cgcngtacta	aagagaagtt	120
gagacatccg	gccttgtgga	ctatacagct	actggattct	tggaccttcc	attggnntgg	180
agccattggt	ggacaa					196

<210> 1451

<211> 366

<212> DNA

<213> Mus musculus

<400> 1451

gaactgagac	acccgaggac	tttacagtaa	gaggccaagg	gaaatgctga	gtaagcagga	60
agcggttgac	ttgccaagg	tcaccaacac	caaattggagc	cgggtggaagt	caaccaaacc	120
ttgttctgct	gcctgtgact	cccagcctcc	agttccacct	gtgcggggttg	gagggttggg	180
aggaacttag	cctgtaagac	tctggcgagc	cttagcttac	ctgagtgttc	acccctgagt	240
gaacaacgca	tgcagaaagc	aagagggatt	tattgttcca	atgcattggg	gtcaccctac	300
atccaaagga	gaggcgngna	cctctcgcag	cctgtttggt	aagtgtttat	acacttttta	360
gagcag						366

<210> 1452

<211> 419

<212> DNA

<213> Mus musculus

<400> 1452

cctgacaatt	gacaagatgg	cntcttttatt	gattgatcag	anaccaattg	gggacaagga	60
ccttcagcgt	ttggacacac	agattcacaa	ttttgggggc	ccggattact	tcaaagcatt	120
agatcccac	cccaacacat	gtgttcaccc	cccagtggtg	agtaggtttg	nctntgaagg	180
cccaggattt	ttatggtcac	tcntagcaga	gtcaaagtnt	gagaaagaga	nngctaanga	240
tatgccctct	gagccttcng	gggaaataag	ggcaaagtct	caagtccttt	tattattttt	300
ttttccgaga	caggnnattc	tatgnatagc	nctgggtgtc	cctggaactc	attttatang	360
ccatggnttg	gcctcnaact	caanaaatcc	gcttacctgt	ggctgcaagt	gcagggcat	419

<210> 1453

<211> 464

<212> DNA

<213> Mus musculus

<400> 1453

tttgagcctt	gtatgttggt	tttgaagttg	agttcagagg	aggagagaat	ctatggctgt	60
ttaaagaaat	tatgagtcga	ggatcacaag	ttcacatttt	tttgggtgct	ccagttgctc	120
cactgaaaac	nacagtatca	cagggaacag	cttccttaat	gtccactgcc	aacgcctggg	180
aaaaagtccn	actctcctat	aaacagcatt	ccttgtntct	gaaggctggg	gatcaggagt	240
ttaaaaatct	ggaagactgt	caagtcctcc	aaaggtcttg	gccctccang	ccttcttant	300
ggtgacgttt	tgatgacttc	tgtgaggagg	tctgctcagg	tggaanagga	ctttaaacat	360
tctgcttcgg	aagcacagag	tgtgaaatcc	ccacgttaac	ctgagtata	tgactagtgg	420
acaaatgtgt	ggccttgagg	acggagttca	ccatttacct	cgaa		464

<210> 1454

<211> 440

<212> DNA

<213> Mus musculus

<400> 1454

tgaccaagta	tggtggctca	cacttatact	ctgagcactc	aagaggatgg	gcaacggaat	60
tgctgacccg	agaggacagc	ctcgccgtga	gttccagaga	tgatccagca	ggtgaggtcc	120
cagcagagga	gacttctagg	tgaaccgcca	cagaaaggat	ggaaggctac	tttacaccat	180
gttgatctgc	tgaaactgtg	actccagtgc	tcctgatcct	gcttgcttgc	tgtttatgct	240
ttgctgcacc	agccactgcc	cccttactat	ctgggtacct	cgagcagtc	gatgcaacag	300
ccttgctcct	aagttctcag	tggctggcaa	gaaggccaat	tgatagcca	ctcttctctt	360
ntcggactta	acacagaact	gntggtncc	aaacaaggac	ctttgcattg	gaaataaagg	420
accctcagcc	ctttcccatc					440

<210> 1455

<211> 203

<212> DNA

<213> Mus musculus

<400> 1455

ctctgctgag	ccctgnctcc	ttaagcaggc	cngagntcga	cagaactcgg	ttgcttngct	60
gttangcttt	ggagggaaacn	nagctgactg	atgaggctga	ctttgaactc	aagagatttg	120
ctgacccag	tnctgctgga	attaaaggcc	tgatctacat	tcgcctggac	ctaannattt	180
tcattgatcac	tatgcttcaa	gat				203

<210> 1456

<211> 236

<212> DNA

<213> Mus musculus

<400> 1456

ctgccccacc	ccttcttcat	gtcccaactgn	nctagaatca	gatctgcatg	gctatgacat	60
gctcgccggt	ttaaagatgc	aaagatttca	tgctagatca	ttagaatgta	tctggacttc	120
gttaggacaa	gttctttgct	agtaaccagt	cacgtgctag	caattgaggt	gtgttaacct	180
gtatattgnt	gcctatgagt	aattttccat	aatctttaat	aaaggcttcc	tgtgtc	236

<210> 1457

<211> 116

<212> DNA

<213> Mus musculus

<400> 1457

gagccacaca	ctgtgcacct	ttntactgaa	ccaganatta	ttcngcgnga	atctngntnc	60
catccccctt	cnttcataac	tgagtgtgga	gncagtgna	attggagctt	tgatca	116



<210> 1458  
 <211> 119  
 <212> DNA  
 <213> Mus musculus

<400> 1458  
 acactgtgcg cctttatact gtgccagaga tcntncggcn gggaatcggn tncnntnccn 60  
 cttgcttcat aactgagtgt ngcaacagta aaattggagc tttgatcaga aaaaaaaaaa 119

<210> 1459  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 1459  
 ggggagccac acactgtgca ccttnntact ggaccngaga ttatnncgc cggaatctg 60  
 gnttcntnnc cgcttgcttc ataactgagn gtggcaacag tgaaatngga gctttgatca 120  
 agaaaaa 127

<210> 1460  
 <211> 173  
 <212> DNA  
 <213> Mus musculus

<400> 1460  
 gcaaaggctc atacacnctg caagtcttna tggnccttacc accanccttt ccagcagggt 60  
 ctantgcctt gacctggggg aggaccgagn gaaggangaa gagggtaaaa gggcacagac 120  
 ttccccaact ntgccctaaa taaaataaca atgctgattc aatgaaaaaa aaa 173

<210> 1461  
 <211> 443  
 <212> DNA  
 <213> Mus musculus

<400> 1461  
 ctaccctccg gcctctactt ccacgtgctg ggatcgtggg catgtgccgc cttgtatcnn 60  
 ctcatgtcac tttgtaccac tgcgtctagc tgagttctgc tgtcttgctt gagctgagga 120  
 tgtgaaaacc ctaaagagga agtgcactgt aaaggacttt ccttttgagg gcctcatcat 180  
 tctagaaggt tccttcccg cgcctctctc ccccgaggca gctccctctg ggttggtgggt 240  
 gtgcacctgg tttctacca cgttgctggc cagtttgctt aatcctgtgg cactgttatg 300  
 aaatcctaata tacaattaag aaaaaagtct gagcaaaacc caagatacct ccggatttta 360  
 tcatgatgct cattaatctc atcttcaaac ttaatgtcaa gtgtttgtct tttgcttttt 420  
 gaaaaaattt tttcttaaca tac 443

<210> 1462  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 1462  
 acacctttta acccgacatg ggaacgttca tgataggacg gnaaaaatgt gtcaccctgg 60  
 agaagtgggg aacaggactt attccagcaa gggaggagag ctttgctcgtg ctcgatgg 118

<210> 1463  
 <211> 157  
 <212> DNA  
 <213> Mus musculus

<400> 1463  
acctgagggtc cctgttcggg cgccaaaatg ttgcggccgc cagcagctcg caacgtgaac 60  
ggtttgactg agaaggccgc tcgagctgta agagaggaat ctagacgggg caaaagaaga 120  
aatgtagcca agacagttac tctgacgaaa aaaaaaa 157

<210> 1464  
<211> 260  
<212> DNA  
<213> Mus musculus

<400> 1464  
cctacagagt gagttccagg acagccntnn ntatnctgan aancennntc ggnacttcca 60  
gttctnctat gaaggatgtt gatgggttag nncggggaa caagtgnccc tttccagttt 120  
tgtccagacc ctgacgagga cataatggtt gttatcaata aggaaaaggt anaagagatg 180  
gaacagctca ntgagganct ttaccaacaa aaccaggagc tgaaagacaa gtacnctgac 240  
ctccatgagc agctacagac 260

<210> 1465  
<211> 418  
<212> DNA  
<213> Mus musculus

<400> 1465  
gactgagaag agagggtggct cgcctgcatg tctgttgctt gcatgtctac ttccttgttc 60  
tgtcactcgg ctgcacnttg acctcaccaa gntgaaagnc gacatgtgca tggcagccat 120  
cttgtctgct aactgaactc cngcacacaa agatggaggt ggctggcctt catgtgacct 180  
attgtttcag gtcgcttttg tttctccctt caccgggttc tagtggcccg gtttgcaagt 240  
gcagaatggt gacgaggctc cctaaagcag cctcgacctt ccacagacag cctcacgttt 300  
ttctcctact ttttccctat gcttttaaac ggcagactct gaattggnca anctaaaatt 360  
nttttggggg gaaaattaaa atttttaatt taaaaangcc ttaattaaat gaaaaaaa 418

<210> 1466  
<211> 518  
<212> DNA  
<213> Mus musculus

<400> 1466  
aactgagatg tcaagggcct ctacacacat ctggaagtgc aggcattggcc cttgagaacc 60  
gcgtactcac gcgctccagg aggngactg cggcaggatt gccccggaaa gctgtcgcag 120  
tgaacgcac tgctatgaag attgggagct tcattttcct cgctggctct gtctgagggc 180  
tccctgccct gctcggagcc cgtttcactt ccagctgtta agaagaagaa aaagttaatg 240  
ttttactcca tgtatagacg tagttaatag ttaccagata gaaagtcatt gactccaaca 300  
tactttgcac ctcaagatgt gcacaccccg acttttcaaa gcctctgcat ttaatttggt 360  
ttaaaatact aactgaaatg aaacagtttt aacctttggc tatttgcccc tctaccccaa 420  
cagaactccc caacataatc accctctgtc ccagagtagc tgacactagc tgtgacagtg 480  
actttaataa aattcatgag acatctgaaa aaaaaaaa 518

<210> 1467  
<211> 134  
<212> DNA  
<213> Mus musculus

<400> 1467  
gacagtcact ttactgttta aagcgntnca aacccaaanc ggcaatgang gaggtggtct 60  
ctgccnactg ntgatnaaca ggaagagacc gtgaattgag gccaccaaga acttgacagt 120  
gaacaagatg gaga 134

<210> 1468

<211> 204  
 <212> DNA  
 <213> Mus musculus

<400> 1468  
 tgcttgcttc tatctgcnga ncccatntga agactgatgc tgtccgngtg cacatccggn 60  
 atgganctct ggtccctggg cttaaggagc ttncgggtgg ggcnacaggt gcagccacca 120  
 gaggaagggg attanogata gctctcanag aggagagcag gctgtcctgg gcatttttaa 180  
 aaatggcatt ttgaaaaaaa aaaa 204

<210> 1469  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 1469  
 cgtggcaacc atactggggg cctcntatan cntgtnaagg aagantataa tcgntttgat 60  
 cttgaacttt acnatgaagc tgtaaaaatt atcaaaaaaa aaa 103

<210> 1470  
 <211> 505  
 <212> DNA  
 <213> Mus musculus

<400> 1470  
 ccctgaaatg ctctggaagc tatggaccag caagaccttc cagannagag agaacgatgg 60  
 cagtgggtgag cgataaggcc ctaggtaggc taaagtgcc cggacaagat agcattgaat 120  
 tgggcatctg tggctggctg acttataaat tgacctgata agcaggctct tggactggga 180  
 tgaaagaggt gtcactgaga gattaatctg atggccttgg gctacccgtc cccggatctt 240  
 tctgggagca gtgtgaagat ggggtgcttt tagaaagttt tatgttacca actgggacca 300  
 acctttcaat cttggatttt aaaaacccca ttgaaacccc tttgccacag gaatggcatg 360  
 tagctttctt agagtttata tttccttaca cataagaatt cagagcctta gggagatggc 420  
 tcagtgggta agggcactgn cccaagcca gaggacctga gttcgagtcc ctgggacctg 480  
 caatagtgga agattcctat aagtt 505

<210> 1471  
 <211> 170  
 <212> DNA  
 <213> Mus musculus

<400> 1471  
 gctcttggag ctggccaatg aggtggacta tgcaccctca ttaatggctc ggattatcct 60  
 ggagagattt ctacaggggc atgaannagc tccaccaaga ctggagaaat gctactctca 120  
 agtgcaaaaa tgaattctac caatgttcgt atgagaaaag gaaaaagaaa 170

<210> 1472  
 <211> 123  
 <212> DNA  
 <213> Mus musculus

<400> 1472  
 gaactgagga atttgatcag tttgatgaaa tttcattgat gtcaactctc cagctgtctg 60  
 tgccttacca aaagctgttt gcctccaaga caacaaacag cccgtgtgat ccaaaaaaaa 120  
 aaa 123

<210> 1473  
 <211> 452  
 <212> DNA

<213> Mus musculus

<400> 1473

ggtgtaaggt	ctcctgnagc	cacatctatg	nagttacatg	aagatnnggn	cctgtnaaca	60
tgggttctgg	gaactgaacc	caggtcctct	gaaaggacnt	cgagngctct	naaccactga	120
nccatctctg	cagnctaacc	ccatcccttg	gaggctgaag	caaagcatag	ttcaatgact	180
cgtgcgacct	ggctcttgat	tgggcctaag	gaaaagccga	ctgtaagccg	ggaagcatct	240
ctggcaagaa	caaggaagga	ttaagcacgt	ctgtggttgt	gcgcagggat	cacaagggtgc	300
tcctgcagtg	ggaagagcca	ccactagggg	cgctccaagt	cttgtatctt	ctaccttgaa	360
aactcgtttc	cctgtggctg	cctccaaatc	caacggagat	gaatggcttt	tagtttacct	420
agctgattta	ataaacttta	aaaataaatg	ta			452

<210> 1474

<211> 237

<212> DNA

<213> Mus musculus

<400> 1474

gaactgaggc	atgtcatgaa	gctccgtgaa	gacactttct	tgctcatgaa	gttcatgaac	60
ccttcttgca	cgtaatgggt	tggcttttgt	ggcatctctg	acgcaaggat	ggacctctcc	120
agagccaggc	atgaggctag	acaagggtgct	tgccatcagc	tccaatgccc	cccgtgccaa	180
ttcactcatc	acaccagatc	ataaaaataa	atctttaatg	gctttagaaa	aaaaaaa	237

<210> 1475

<211> 343

<212> DNA

<213> Mus musculus

<400> 1475

actgagtttt	agaatgtcct	gtgacctggt	atattagggg	gagcaaaaat	ggaacttgca	60
acactactca	tgccagccac	acctacgaga	agagtgaccc	ctacagagag	ccacacatag	120
ttctccctga	gctcagtgtc	caggggtaat	ccagagcctc	gaggctgcca	tcgggactgt	180
aacggacagt	gaagatagga	tgaactgagc	acaagtgaca	ctattttcta	aggcagacat	240
agttggccca	atcttttaggt	taatttggat	gttactttgt	atttcataaa	tgacaataaa	300
tagtagatat	atctaaatta	tgtttgaagc	aaaaagaaaa	aga		343

<210> 1476

<211> 262

<212> DNA

<213> Mus musculus

<400> 1476

aaaagagatg	cagaancctg	naaaccttcc	aaaggaggga	aaagaacagc	actcannaag	60
gaaaagaaat	gatggagttt	ttctcttctc	gagtccttan	gngtcagtgg	tacagtgtag	120
acaaaatgat	gacagccatt	aatgtaacct	ttgagaggag	ttgtctgtcc	cgccctaagcc	180
gagcagggtt	catcgacctg	atcttagtag	tttctagaat	tcgcctaaca	ctgtgtgagg	240
gtttcatgtg	aaggatgtgt	ag				262

<210> 1477

<211> 428

<212> DNA

<213> Mus musculus

<400> 1477

ggagaggctc	ctcaagggtg	tatcctgcta	ctgctcccca	aggccttgac	caagcatagc	60
ccccagggc	tggactacac	tggtgaagac	ctggcacagt	cagatttcag	cctttttatg	120
cctttcatgc	ccccactcc	cattctttct	ttaaatctga	ctagtaactt	ataagaggga	180
atggattcca	tggtatactg	gctctgtcac	tcaccagctc	agccttggtt	cttccacggg	240

cctggcacat	taaggggatg	gccacttgcc	tgccaccaac	caaaccaaca	tggcaggagg	300
caaaaccccc	ttagtttgaa	tggccaagtg	atatattttc	tctaaagaaa	gttgccagga	360
tcctctttgt	aacttgtgac	atgaatcaga	ataaagaatt	ccctctgtcc	tgcctgcaaa	420
aaaaaaaa						428

<210> 1478  
 <211> 201  
 <212> DNA  
 <213> Mus musculus

<400> 1478						
ctgactgaag	tgtgcaaagg	ggctgtccca	cgaaccataa	aacntcatgc	ccacccagat	60
catccctgtc	accactctag	agggaacagn	tattttatttt	gctatggaca	aagacaaggg	120
agggtgctag	ggaatgattt	tgtttctata	aagaataaaa	ttgtgtccgn	ggngtgttcc	180
cgggagacag	caggaaaaaa	a				201

<210> 1479  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 1479						
gactgagact	tgtatcgttg	tgattatact	gttttagatga	aaatgtntgg	taaagcacgt	60
gcttctagga	aaaaacctca	ncagctgaaa	agaagtttga	aacaacagag	ccaatanagg	120
aagcggattt	gccngagaat	gaggttggaa	acacagcaaa	aagaaacaga	agtcattgcaa	180
agcatctgtc	ctctaaagta	ncaggacaag	caacgtatat	tcattctaana	cggatanaaa	240
tatcatccag	cacgaganca	acctgncnnc	ctcttncaan	ggataactgan	nagtatttgc	300
naagtatgat	ggagtnagtc	attcttggaa	ttttattcaa	cataaaaaga	aaagaa	356

<210> 1480  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 1480						
gtagcttctt	gtggaactct	caaaggctcg	acaggggggg	tggntgggnc	catatatcta	60
ctgcctcgaa	tcgatgaatt	cgagctcggt	acccggggat	cgaag		105

<210> 1481  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 1481						
tggacgctgc	accttttcagg	acagtgagga	aaacccttag	tgtctctgca	ttttgctttt	60
taagcgggaag	tgtatttttta	ctgacacatg	tgatgaataa	agcagcttgt	ggtttttggtg	120
aaaaaaaaaa	a					131

<210> 1482  
 <211> 303  
 <212> DNA  
 <213> Mus musculus

<400> 1482						
gggaggagcc	gacggccatc	tctttcacca	ggagaaccaa	gtagctccct	taacctcagc	60
ctcatgacca	tgtttcagca	ctgtcttaga	cttggtttt	cagactcagt	tctgcttcac	120
acactggggn	ctgcgatcac	gcgaggaagg	gagcttatta	gtaaatccgt	gtggagacca	180
cagccacac	catcagttag	aatcagcgtg	ggaccactta	ttcctgggga	cacctgaaca	240

tcaacaaggc aggtgactga ccccaaggac tctcagcaca acacagacag caagaaaaaa 300  
aaa 303

<210> 1483  
<211> 554  
<212> DNA  
<213> Mus musculus

<400> 1483  
cttatcctcg gaactccact tccngncaag accanacatc ttctccctna acatnggnnn 60  
cgcgnaactta gggctcnact tccccngcca gctnctntac tntatnttan ataattggctt 120  
ctacatnann tcctcgacga agngtaangt ccatacccaa caggnantac attctctccn 180  
aggattncat nctnnacat taaaatctcc aatgtctnct gggaggcctc tacgtctaaa 240  
atcaanatcc tcttcgacac naaccttcat gagcatgtat aacttttnt nactgttca 300  
tcacttantn cattctganc ctctnaacc agcacatctg cctntgtct taccatanct 360  
cggacagcat tntcaattc cctcctggac acattgcccc tccccaacnc tgcggatgat 420  
cnccagctca tcgactacta ccttntgaan gaccctgtat tctccaacgg ncnaccttg 480  
anatctgaan tccagagatn attcttcctt ttnaaggang acaactacna tccttcccaa 540  
acaaggcggc cgaa 554

<210> 1484  
<211> 243  
<212> DNA  
<213> Mus musculus

<400> 1484  
gactgagggt ggtgttctca ggactctttg gctcaaattg ttctgcctga accccctgag 60  
tgcttgggtc tacagatgta ccctgtgtgc ntggctctgc tgatattgga ttctcaaagg 120  
aaaaccattg actttgaaga gtgaagcctg gatgttttat caatgtttta atatgaaaac 180  
tcaaattctat ataaaatggt cacaatatagg aaaataaatg tccatttaca tttcaaaaaa 240  
aaa 243

<210> 1485  
<211> 311  
<212> DNA  
<213> Mus musculus

<400> 1485  
acattacagc tccgcncctc ntggaaagtt tgctncaggt ccctaacatt gntgaagant 60  
nactaatng agactananc tcaagcnctt gctgcctggt tcactcctag gtttagctna 120  
attgcncctac acatanatat gcntaggggg ncatagatgc agngncanct tagcagttca 180  
ggncacttgc tgtttaatca tnaagactgg anctgagatg gncaaccatt cacaaccta 240  
taatttcanc ttnaanagat ctaatgccct cttctggcct ccttaggcaa nctcatatcc 300  
tcatagagat a 311

<210> 1486  
<211> 117  
<212> DNA  
<213> Mus musculus

<400> 1486  
atccccaaac atacacattc aggggggggat gggaacannc atgggtggatg cgcctcangg 60  
ccacggncca cgtctgttgc aataaatctg cagctctgct tcttgcaaaa aaaaaaa 117

<210> 1487  
<211> 463  
<212> DNA  
<213> Mus musculus

<400> 1487  
 atatgctcac acgatctgaa attcgctgct gtgaaaacag aaggaaacgg tcctgtcagg 60  
 agaaccagcc cctgcagttc cctaaggctg gcacaatgga ggaagggttc tctccgcctg 120  
 agttcctacc tcggtgatgg actccgtgat ggactatgat cctgacaccc acaactaaga 180  
 tccggcaggt gcttgcagac agtgacatct tgtgggaaat ctcaggaact gcaccgtggc 240  
 aaatcgctgc tccttttact gtgggggtcct tggaataccc agtcaacatc aaggaagcat 300  
 tcattcattc actgccttct gtgtacaagg aactgatcca agtcctggaa taaagaaagc 360  
 aagagagact ggatggctac acggggagtg aaaaaattcc caaggattat aaccttgtca 420  
 ttactgctca actttaaata tattttgtgt gtgtgaaaaa aaa 463

<210> 1488  
 <211> 124  
 <212> DNA  
 <213> Mus musculus

<400> 1488  
 cttgggtccc ctgctctgac agatngaacn nagentcacg gtgtnggncc nnctgnctgn 60  
 ccatcccgtt gataaattga ctatgccaat aaattaacat tgnttcactt tcgaaaaaaa 120  
 aaaa 124

<210> 1489  
 <211> 278  
 <212> DNA  
 <213> Mus musculus

<400> 1489  
 tctgccccag aggttacatc aattgaactt ttaattaagt tctgctgatt ccttgctcct 60  
 gtatcttcag tgaaatgtgc cttgtgctcc cacacgtcat caacctaaaa agaagtcctt 120  
 agtgaggata aactagtgtt tcataatttt gtttcctttt tctctttctt cagttccttc 180  
 tgtattcaag gggttaagga acccggggca attatcttgg agacgtaatt tttctggata 240  
 tcaatcaata aaagcaaata tgatttgaaa aaaaaaaa 278

<210> 1490  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 1490  
 gaccctgctt acttggtgta actacggaca acancatatn ntgtnccttan aggcccttnc 60  
 gctgntccta acaacncatn ctggggcccga actgtggctt ccataaattc 110

<210> 1491  
 <211> 156  
 <212> DNA  
 <213> Mus musculus

<400> 1491  
 gcacgtccgt gaagcttccg ccatgttctc tgggcacagc tgacaggagc ccctccatca 60  
 tgaacacagc ctctccaact atcaciaaaca aaactagtgt ccaaagacat cttatttctt 120  
 tgcgctataa agtatagtgg catcagaaaa aaaaaa 156

<210> 1492  
 <211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 1492  
 ataattcctt accatctttg tcanaatttg gnatactgcc aaaacctgtg tctgtggnaa 60



aattttgtct	ccaatctttc	attcaaggga	acgnactaca	atgnaaccta	cactctgttg	120
cgcacactgt	ggtcttagta	gnatagtatg	gggaagaacg	gnaagctcct	gttgtctctt	180
acttttggtc	tctaacctgt	tttgtaaagt	cctctgatata	gttgaactaa	ttaatgtaat	240
atcaggaaag	gtttctagga	tgtatatcag	ttgagtattc	atztatgctt	taccagtaac	300
aaatttagaga	aagggaaagc	attttgtata	tttgtaggtt	aaggaaaatg	tatattatgt	360
tagcattttc	aacatttgga	ctcgaatttt	aatttaatta	aagctgaatt	tagtttttga	420
agtaaaaaaa	aa					432

<210> 1493  
 <211> 300  
 <212> DNA  
 <213> Mus musculus

<400> 1493						
gggagaaact	cactcgccaa	acaacgtctc	gtgggtatcct	gncngactct	ngccgcttca	60
gcatgancct	ggctgctcct	gctggattgc	gctactgnta	cngantcatg	ntngngntn	120
gctantgaac	tggnetgctt	anatnctgac	acggaagagt	ggaatgcgcc	caaagcnagc	180
acttctaata	aggtccacaa	ctccatttgc	ctntaacctt	gctttttccc	tacctctggt	240
tggtgggcta	aangggaggg	ttaagaaccc	caaataaaga	cagatgtgaa	aaacctaaaa	300

<210> 1494  
 <211> 377  
 <212> DNA  
 <213> Mus musculus

<400> 1494						
tgcatagttg	aagaaggaaa	gcaaaatggt	aatggaacga	agtccaagaa	ggctacatct	60
cttttaactc	agagtgggtt	ancnngcatt	gctccagctg	aagagcccag	gagcccagaa	120
gaaaaagacc	ancaaggcgc	acaaaaagca	gaaagttaca	gaggaatgtg	aagaagcaat	180
tccacaactg	gtaccaatag	gagagactcc	agataaagaa	aatgtaaaga	tgcaagaaaa	240
tatcacaggg	aaaactccaa	aatcgaaatc	tgatccaagt	acacctaaag	gtaagaaaag	300
gaaggccttg	ctggctacag	agactccaga	agcctncggc	cctgggggacc	ttcagggaan	360
gaaggcataa	taaaggg					377

<210> 1495  
 <211> 318  
 <212> DNA  
 <213> Mus musculus

<400> 1495						
aggttatccc	ctaccccatc	attgtaactt	aaactttcat	gtacttgtaa	gtaaaatcag	60
gtactcgncc	agcttctatg	gnttctgtat	ggggnaagtc	gggctgggca	ggggaccnnc	120
nctacnggnc	ggncnantt	ctgacngccn	gtcncgtacc	cngtaaacag	ttganccant	180
agaaaaggcc	tccagcacta	caagtannnta	ancatntagg	ctccccnaac	caccatcaac	240
ntgtagcact	ctgccaccca	tctctcccca	naaacatcac	agctntaggt	agcctcancc	300
aacagtcctg	tctttttgt					318

<210> 1496  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 1496						
gctgtcaatc	cgctgcggca	tggatcgatt	caaggtgttt	gccaatggca	ttcacctttt	60
caacttctcc	catcggttcc	aagctttacg	aaagataaac	acgctggaga	tcaatgggtga	120
cctcaccttg	tcctacgtcc	acatctgagc	tcctcctggg	gaaggaagca	aaagatcccc	180
gagttccatc	taagctccta	ataaaatggt	gaaggggaaa	aaaaaaaa		228

<210> 1497  
 <211> 162  
 <212> DNA  
 <213> Mus musculus

<400> 1497  
 tgctacctgc tgggaggccc tggagangct atncctgaga ctattnctga gactacaccc 60  
 tatnctgcag ctgggctcca agaatagaatt ggcaggaatg ggccctcccct ccacccttta 120  
 taagcgcagn tgccattaaa catttgagcc ttgcttgatc ag 162

<210> 1498  
 <211> 258  
 <212> DNA  
 <213> Mus musculus

<400> 1498  
 ttttagagta tcaataaaaag actgggggaca tgaattacgc ctgagcctgg cctgacaccc 60  
 caaggatgtc aaggaggatc aatgttccag agataagatg canagtgcc gccgcctana 120  
 gcctgacttn tgccctnatg tcagcagatg cccgcttntt tgggtcttgg taaattcccc 180  
 ctgcacccct tcctattccc cgtgatgcat gctttaaaac aaggcacctc agcataataa 240  
 acggagacct tgctaggg 258

<210> 1499  
 <211> 810  
 <212> DNA  
 <213> Mus musculus

<400> 1499  
 gaactgaggg attgcccttc tctcagatgt gtaccctgaa gaaatcttgg ttgatctgtt 60  
 ggccaaatat gacagtggga aagacaagca cactcctgag accagaatga aggttggcga 120  
 ggtcctgatg cgagtgtgca gagcactggg ggacatggtc tcgaaatacc gggaaccttt 180  
 gatccacacc ttcttgccgg gagtgagaga tccagatgct gcacacaggg ccagcagctt 240  
 agccaacctg ggagagctgt gccagtgcct gcacttcctg ctggggccccg tggttcatga 300  
 ggtgacagcc tgcttgattg ctgtgggctaa gacagacaat gatgttcaag tgcgcagagc 360  
 tgcagtccat gtggttgtgc tgctgcttcg gggactcagc cagaaagcaa cggagggtgct 420  
 gagcgacgtc ctacaggatc tctatcactt gctgaagcac gtggtgccgc ttggacctng 480  
 ttgacgtcnn caaagcctgc atgcccagct gcccttggan gagcttcgat gagatcattg 540  
 anggaacttc ctgttcccct gcccacaataa gctgnagaaa gaaaganttn tnggtcctng 600  
 ccattannac cctnggtttc accaangaac nattgggnaa nnaaanggn cngngtgnaa 660  
 anccntaanc cngncnaan ntggnnantt tgggtgtanac nnnnaccnnn ttccanncna 720  
 atgtgcntgn ttttcnanct ctngnncttt ntncctttgn ggtggcennn taccncttgg 780  
 naggggctnc tcggcttatt taaaccctc 810

<210> 1500  
 <211> 384  
 <212> DNA  
 <213> Mus musculus

<400> 1500  
 cccccaatgg atggactttt aagnctgaaa aactgnanga aaccctnnng tgtctgcata 60  
 agcaactcaa nantgtttt gctctgccgc ataagcaagt tacagcagca aacaagtagt 120  
 tggtcataac ataacacnna antgnanact gccgtagggt tgtgtgggggt tgggggcatg 180  
 tcaactgagtc caggttactg ggantttatc ttctagggac tggantcaaa aagacaaaga 240  
 gctantgggt accaagctgg atgcctatca taaaatggag ttacagtaac atcacgttgg 300  
 ggaccccnca gatacacaag tgcttgctct ttaccgcttg aaaccctca cacctcaatc 360  
 ntantataca aaaaggattt ttgg 384

<210> 1501

<211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 1501  
 gaggtctctcc cttccggagg ggcaagtgtt tccggacctt cccaaagttc ttgaagtgat 60  
 cttttcataa gtaaattctg gngaactttc aaaaaaaaaa a 101

<210> 1502  
 <211> 254  
 <212> DNA  
 <213> Mus musculus

<400> 1502  
 agaactgagg tgtgtgggtg ttttcccttc atgtatgtct ctgccccaca tgtattcagt 60  
 gtccatggag cccagaggag ggtgatggat tctctgaaac tggaggaaaa gtgacaaatg 120  
 tgttgtcaca agaagagcta gtaaggaatt actgagccaa aatcaattac caacgcgtct 180  
 caggaaaaca ccatgtgtta gacagcctgc tgcagataac ttggttttga taaactcaaa 240  
 gtccaactca taat 254

<210> 1503  
 <211> 324  
 <212> DNA  
 <213> Mus musculus

<400> 1503  
 ctgaagtaag agcctgggca ggaggccata nttacttntt gttggaactc tcaaaggncg 60  
 gacagagaag catgngtggt ntccatatat ctactgcctc naatccgatg aatttttttc 120  
 tcggtnaccc gnggatcaga anttcctatt cggaagttcc tattctctan aaaantatag 180  
 gaactttttn acctgcaagc atgcaanctt ntacctcgac gtcnaanaag ggactgangn 240  
 ctngnataaa aggnnaaaga ntcggatgcn gtgtcccaac cnatgganng tttcntangg 300  
 gggannaaat aacccgggcc ggca 324

<210> 1504  
 <211> 381  
 <212> DNA  
 <213> Mus musculus

<400> 1504  
 ccctggggga accccccccg atgatnnnga ggatgacacc tccncccccc ttgttcnaag 60  
 nggattaaga nggaccngga catacnggaa catnntgcta ttagagtcca caagccggtg 120  
 ataatggnna ggaaccaagg cagcttctna tccccccaat cgtgaagaga gtcccaanaa 180  
 agcagtttaa cccccgagtc ctggctgaaa caaanctcca attanccgtt ggggttctcc 240  
 caaggggggn gatttttnaa gnggtgccaa nnccaanac cttactcca ttttaccanc 300  
 tttttngaag gaggntcatt tttacagcct ccaaaaanag gggaccctct ccgacttgat 360  
 ggcctaggca tcctcctttt t 381

<210> 1505  
 <211> 217  
 <212> DNA  
 <213> Mus musculus

<400> 1505  
 ttgaatttca tacttagtta ctgtatgact ttaataacac cagctaattt cagtacttat 60  
 ggttttttagc tggtttcctt attttgtata ttttttattt gtaaatatta aaaataactc 120  
 tagtttcatt tgttcattca gaaganaaaa taattttgat tgctgaatgt atctgaagta 180  
 atccctgcat taaaatcatt ttctatcaaa aaaaaa 217

<210> 1506  
 <211> 215  
 <212> DNA  
 <213> Mus musculus

<400> 1506

atcatccctt	caattggggc	ccaaggataa	aagaacaaga	gaaagccaga	taagatgac	60
tctactctct	gnnnnggngg	tctactgaag	tctgaaggat	cccgggcacg	ggttcctgct	120
gccatgtgct	ccaccatgcc	ttgtgctgag	atggattgta	ccctcttaaa	tcacaaactg	180
taataaactt	cttcctttta	gtggctaaaa	aaaaa			215

<210> 1507  
 <211> 354  
 <212> DNA  
 <213> Mus musculus

<400> 1507

gactgagggg	gccccctgat	ggaaaagcac	naagaagcat	gagtctctcg	tcccatgtt	60
cctcacagaa	ctgattctga	cagggnaann	gctactcttc	gagccttctt	tggaagactt	120
tctggatggc	atttctgggg	caattaatca	ctttgaaaac	acggngttgt	cagttcctaa	180
tctgggtgct	gactcgtact	ttgacgcttt	caccagcccg	ttcattaaca	agaagggtga	240
gggggngacc	tgcgggcccc	ggcccaacct	gtcagccgtg	tttgaggatg	acaggaactt	300
tctcaccatc	atcatgcaaa	taaaggtaga	gtcactttta	ctagaaaaaa	aaaa	354

<210> 1508  
 <211> 220  
 <212> DNA  
 <213> Mus musculus

<400> 1508

caatgaaatc	ctcggtnctac	tnagtggagg	tcctcncacc	gcattctggta	aagggatnat	60
ccnccagcat	cattggnact	atcctcannt	catgtggaat	ccgaattact	gccatcanaa	120
ttcaccctta	tatgaacntn	tnagtcttct	atcctccnc	tgtcangnag	naagcgnccg	180
tantcttttt	tgnaatctgt	tcctctgac	tcgaaatccg			220

<210> 1509  
 <211> 455  
 <212> DNA  
 <213> Mus musculus

<400> 1509

aagacagaat	cgaaattgaa	agaagaaaac	acatggacca	ggttgtggta	ctgtgcccga	60
agcgccagga	tatcttgctg	cgtcttgggc	agcctgacct	gggaggcccg	gaaatccacc	120
ttctgctgct	tctcggcctc	ctgcttcgtg	cggaggaggc	tggtctccga	aaacttgaa	180
acctggtgca	gatgggttct	cagctcctgg	atcaciaaag	tctccttctc	cacctaggcc	240
aggacgaatg	aggacagggc	cctatttta	agccacgcag	tcctccact	cccagtcaca	300
ggacagctgg	cctttgggtg	tgccccctcc	ctaggggctt	atgcgtctct	ccggcctggg	360
accacatgct	cccctcccct	aggaaagggg	ttggccaagg	cctacagggc	aatccagcc	420
agccatagct	gtcaataaag	tattattggg	acaca			455

<210> 1510  
 <211> 223  
 <212> DNA  
 <213> Mus musculus

<400> 1510

gttgcaaagc	ccagaagaaa	gaaatggaca	gcggaagaag	tggttggttt	tttttcccct	60
tcattaattt	tctagttttt	agtaatccan	aaaatttgat	tttggttctaa	agttcattat	120

gcaaagatgt	caccaacaga	cttctgactg	catggngaac	tttcatatga	tacataggat	180
tacacttgta	cctgttaaaa	ataaaagttt	gacttgcata	cac		223

<210> 1511  
 <211> 169  
 <212> DNA  
 <213> Mus musculus

<400> 1511						
cagaccctcg	cctgtgatg	nggcctgncc	atcctcagga	ctaaccnggt	ggaggtaccc	60
attgagtgcc	nataccccag	gcaggncaan	gcgagcannc	accctatcca	ncccacctgg	120
gttncccttca	gagccnntga	gcantcacga	ggataaactg	gcttttctct		169

<210> 1512  
 <211> 267  
 <212> DNA  
 <213> Mus musculus

<400> 1512						
actgagttaa	atgagctagt	tgtgggagac	accagcggga	aactgtccgt	gtataagaat	60
gacgacagcc	ggccatggct	tacctgcttc	ccaaacatga	ctgcctgtcg	gaaactagat	120
gctcacagtt	tgtcttacat	gatggtgcac	cagtgtactc	ccagttcttg	agagaaagat	180
catgagtcca	aagccagcca	aggctccata	gcaagtttga	gaccagcgtg	ggtcacattt	240
ggagatctga	tctcaaataa	aacaaaa				267

<210> 1513  
 <211> 214  
 <212> DNA  
 <213> Mus musculus

<400> 1513						
gatttgccctg	ctctatgcac	cactgtgncc	ctggngcctg	nggaggctgg	aggacggcat	60
gngtcctctg	gcactgtgac	agctgtgagc	tacagtgccg	tgctgggatt	gaacctcagt	120
ccttttagaag	agcagccagt	gctattgacc	actgaactat	ctctctagcc	ctcttaaaat	180
aaatttcttc	atgatttatc	cgtaaaaaaa	aaaa			214

<210> 1514  
 <211> 271  
 <212> DNA  
 <213> Mus musculus

<400> 1514						
gcctaacagt	gtcagatgcc	cagcngaang	cacaaacctt	tgnggnnggt	gctatcactg	60
antaacnatg	ccaccatgat	gaaacgcctc	cagcccttgn	ggaccaagaa	agggcaggaa	120
actgnnganc	ctttcagctg	gacccctgct	gcccgctcctg	catgtgccca	ttaaactgct	180
ctttggctgt	gagcttgagg	ctgtcctaca	agatcacctg	tataaccan	ncttcanatg	240
catctgcctg	atgaggccac	agcctctggg	a			271

<210> 1515  
 <211> 460  
 <212> DNA  
 <213> Mus musculus

<400> 1515						
ctccttggtc	ccagagatgg	ccnaacaaac	ggagcctgcg	gtgattactc	cagccatgct	60
ggaggaggag	gaacanctcg	aggctgcggg	actnnaataa	caaccgagtg	nttntggaga	120
tccattccct	catggngcac	cantgtttcc	acagngaata	ttttgacagn	ctgctgcatg	180
cttgcaaacc	gngtcacttg	cgatgttcca	accctcctgc	aacctgtcag	ccttactgtg	240

atccaagcgt	gaccagttca	gtgaaaggga	cgtacacggn	gctctggatc	ttcttggggc	300
tgaccttgg	cctntttttg	gcacttttca	caatctcatt	ttttgtgagg	aaanangaac	360
ccccgaaggc	ccttgaagg	acaaagcctt	aaaagcccca	aggtcaagct	ttgacgggat	420
cggnttcagc	ttggacaagg	ccgacacccg	agcttgacta			460

<210> 1516  
 <211> 298  
 <212> DNA  
 <213> Mus musculus

<400> 1516						
tctttccaac	gagcgnctcc	catacaatga	caanacattc	ctcaacctca	tggacctttt	60
aaataaaaaat	ntttannann	gtgaacannt	atataannnn	cnnatgtaca	acctatngcc	120
cncgatcntg	aagtacatac	ctggnaagca	tanagaattc	tcaaaaaggc	ttggtggtgt	180
taaaaacttc	atcctagaaa	aagtgaagga	gcaccaggag	tccctggacn	gggggggnnc	240
ctcgggatta	catcgactgt	ttntctcagc	agatccgagg	aggtatagga	cttggggg	298

<210> 1517  
 <211> 102  
 <212> DNA  
 <213> Mus musculus

<400> 1517						
ggcaagtctc	gaaattcgat	atcaagctga	tccggaaccc	ttaatatatac	ttcgtataat	60
gtatgctata	cgaagttatt	aggnccctcg	acaaaaaaaa	aa		102

<210> 1518  
 <211> 200  
 <212> DNA  
 <213> Mus musculus

<400> 1518						
aaccattcct	ggaagaatga	agatgtcttt	gaagctatgg	gccccgtcct	cttccagtct	60
agctgcctct	atgctgcaaa	tgccagggaat	cttgagagct	gccaatgttc	agtcattctt	120
accctggcct	ccttttctaag	tctgtcccca	gggtggaaat	gtggagatct	gccttagcct	180
tgatgctgaa	gaaaaaaaaa					200

<210> 1519  
 <211> 663  
 <212> DNA  
 <213> Mus musculus

<400> 1519						
gatattgtga	aactatctgg	ttaaagtaaa	acagaataga	agaaccagag	tcaactgtctc	60
acttcccagg	aagagtccag	ctgctgaccg	tatccacccc	caccctactc	aggcgccttc	120
cttctctctc	ttctcaaacc	gtgcttctag	actccagccg	ctacatctcc	cttctgcgaa	180
gctcagaaa	atgccacaca	tccccctggc	tcttaccac	tgcttctctt	tataagaacc	240
ctggctctca	gcactgagca	gcattccgtc	gtctgtccgt	cgttcttcca	gccttcacag	300
gtggctctct	ctcggctcca	ttccagcagg	acaggtcctc	ctcagaaagc	aacgctggct	360
cacggaggcc	acagctgcct	gtgctaagtc	ctccctatgc	cagttccagc	caagctccag	420
ctgtctagca	cctctgcate	caaagttcca	ctgtntctat	ttcctcttgc	ttttaacatc	480
tacaccaatt	aggtcttctt	gtcttgcaca	acccttctct	gacaactcgg	ggactacaat	540
caccactaca	cactggaagt	ntgatattnt	cttctctcca	ttngttacct	acttcaacag	600
accngaattg	cttnttggga	gccagggatc	caaccagaga	cttggantct	ccatatcccc	660
tgg						663

<210> 1520  
 <211> 418

<212> DNA  
<213> Mus musculus

<400> 1520  
agggtatatg agaaatcgtt acttctatct ggccttcacg agctgacttt tgaaaatcct 60  
catgagatgt gtttccttaa tgcggttcta tttggcatct gtcttaattc ctttaatttca 120  
actgcccacc cactcaacca agctgttggt ggtggccagt ttctctccat cattagtgat 180  
gtgtagtctc tcagagactg attactgact cctgtttaac ctctactgcc agaaaaatgt 240  
taccttatct tttcttaatt tgccttgcc tttattaaat gaataagtag agaaatgtta 300  
gtaaaatggt aaaagggaat cacgtgacat tcagggtagg aagagcttgg atgctgnaaa 360  
atggatggct ctctaacttt ttttttttctn gactgattnt tacagcagggt ttaggtat 418

<210> 1521  
<211> 443  
<212> DNA  
<213> Mus musculus

<400> 1521  
actgaggaca gctcgggaac cacgtggtct aagcccgtgg tgcagtccac tatcacggac 60  
aacagagggc gctttaccct taggaaggca gagccagttc ctgtacccca gtagccctta 120  
cagagaccgc acaggaggcc tggatggagt cttccattgg gaactgcagg ggaaaccatg 180  
ccctggctgc ggaaggctcc ggctgatgct ggacagagag aaggagtatc ttgctgaga 240  
caagccatgc tccttcctgc tgatgatcca gtcaccgggg gtggttggaa gatgctgtcc 300  
ttggcctgag cagcccacaa cctcatctgt tccccagac attcagggat ccacttacca 360  
atatgacttt cccaatgtng aacatgcnta canggcanca anctttnagg nttacggctc 420  
ctgganaatg gggttatcct gaa 443

<210> 1522  
<211> 519  
<212> DNA  
<213> Mus musculus

<400> 1522  
gagccacacc cagcacaggg ccaagcncaa acacaacatc acatgaacga ggacagtgag 60  
tcacttgagg tatggagaga cgcaagagga tcataagttt gaggccaccc tcaggaacac 120  
agcaagtctg agggcagccc gagccacaca cgcttcttac caagaaagga tgaagccaat 180  
gttcccactc tatectaaaa taggctgcc aagcacacca agaattgtgc ctgtgacccc 240  
acactagaag accttgacac tcagtatgat cgcatacaga agcctgatct ataccacagg 300  
gtgggaaccg catcactgtg gtctctaccc atcatggaga ccctctcact cactcactcg 360  
cccactcact cacagtgtga ccttggggaag ccactgaact gatctagtct ctctcccata 420  
aaatggacta atgggttgc atcccccgag agcttggcag aagggttaaa attaatatgt 480  
actgaatgct attgattata taaaggtatt atatgtgaa 519

<210> 1523  
<211> 117  
<212> DNA  
<213> Mus musculus

<400> 1523  
ctgagaactt taaaggtgga gagggaggag acagtagcta angatccagg actacaaagc 60  
tggtctattca tcattcctga cagagaaatt taaagaagag aaacaaacaa acaaaaa 117

<210> 1524  
<211> 247  
<212> DNA  
<213> Mus musculus

<400> 1524



gctctgaaaa	agacacctta	ccacccacct	cctactcctc	aggcttatca	aagacagccc	60
anctgagggc	ttngcttgnt	ccctcacacc	tagaggggac	ngactgcnag	atggagctga	120
ctcncttanc	tcgcaaggct	cnanngcgca	gtggnttgtc	aaaccttcca	ctttncnaga	180
anggggaaga	aagggatctg	tgtgcgga	ataggaaaca	ngctcttagn	naagggaac	240
ttgcacc						247

<210> 1525  
 <211> 201  
 <212> DNA  
 <213> Mus musculus

<400> 1525						
cacatcatcg	tatctgtggc	tgntgggatc	tctctgagca	caatggaggg	gctgttacc	60
ccgaacacac	gagtattgcg	agtctctccc	aatctaccct	gcgttgtcca	ggagggggcc	120
atgggtgatgg	cccggggcca	ccatgctggg	aacgatgacg	cagagctcct	acagaacttg	180
ctggaaacct	gtgggcagtg	c				201

<210> 1526  
 <211> 309  
 <212> DNA  
 <213> Mus musculus

<400> 1526						
gtgaaagaac	gaggtgtctc	tgaatccacc	tgcccctcgc	cacatnagga	ggggaatccc	60
ctcctgaaac	antaccangg	acccaccggg	gacttcanta	gccacattcc	cnaaaggaat	120
ctgtcatgtg	aatatcaggg	agggactttt	ctacgccctg	gtgacttttn	acgttgngaa	180
gcccggtctc	ttgcnagctg	ngatgaaaat	ggacttgga	ttaatgggcc	tctaggggnt	240
gggacctgtt	taacnacacc	ttcccannga	aatttttana	ggggtccccc	tgnttttctc	300
ttttcctta						309

<210> 1527  
 <211> 201  
 <212> DNA  
 <213> Mus musculus

<400> 1527						
acactgagaa	gtgaagccct	tccgggtcct	atgccgggtct	ccacgggtttt	tttccgggtg	60
atgaaggcgg	gtgccccgga	tgtaataccg	gcgaaagcat	ctttcctttt	cttccccgcc	120
tgaccctggg	ttcctagctg	gaggaaatcc	acagccaatc	atgccaaaga	ggaaagtggg	180
acttgatctc	tgaactctgg	a				201

<210> 1528  
 <211> 146  
 <212> DNA  
 <213> Mus musculus

<400> 1528						
actgagtggg	gggatcagca	agttgatttc	tatactgctt	tcttacatca	tttggcacia	60
ttaagtgcc	gaaatttatt	ttgctgagat	ggaccagat	ttggaaaagc	aagaagagag	120
tgtacttgg	aagatcaaaa	aaaaaa				146

<210> 1529  
 <211> 111  
 <212> DNA  
 <213> Mus musculus

<400> 1529						
tgccctagct	tggttccta	ntttctcctc	cacagncana	gttaggaaga	nnngaaagaa	60

gctgttacac gaagtataaa ccgcgggcga caccacagcg aaaaaaaaaa a 111

<210> 1530  
<211> 206  
<212> DNA  
<213> Mus musculus

<400> 1530  
gggtttgggc tgaagtanac cctgggcana ngcnntantt acttattgcg gaactctcna 60  
ggncggncag gaaaaantgn aaacaaanta aggccagggg ngggcncctt gagaaacctc 120  
atthttgggaa agtgaaatac ttgtnnaatt aacatgcann tggttcaata aagacttttg 180  
gaaagtgtcc cccccaataa aaaaaa 206

<210> 1531  
<211> 190  
<212> DNA  
<213> Mus musculus

<400> 1531  
cataagactt ccgtgnagct agaagccttc agagggatat ctncctagatn cgcncagccat 60  
naggacagac cacaattgga gattcgctaa cgctcttgcg ataaggactc ccctgtgtat 120  
gacgnatgac tanctgttta tgatgagatg cagnaaaaga gggcagnaaa caacccccggg 180  
ctgcttccgg 190

<210> 1532  
<211> 292  
<212> DNA  
<213> Mus musculus

<400> 1532  
cgccaggacc accgcagtc anaagcctcc gctgggggct gccatcttgc ttccggggca 60  
atgcgcangc gctcgcgaac gnggagngac acgcgcgga cacggtcagc gccgaacggc 120  
gacaacgtcg ccccgcccgga ttgggctgcc atggngnggc gggactcgac ttggcacagt 180  
gatgcactac ncntncctnt gaatgactnc ttgctnaagc ctgnatgngg acttcncatn 240  
ngngctggaa cnngnangaa ttgcatacnc attgaacaca cattccacac gt 292

<210> 1533  
<211> 412  
<212> DNA  
<213> Mus musculus

<400> 1533  
cttttttttct ttaggggggt ttccctngcc tccgatactg agtgantntt ttctgtgtgt 60  
ctgtaagcnn cnnaccgacg aagagactac gtggagacnt ncnagaantg gnctgctggc 120  
canancnggc ancattccat tncgnaanaa caccaaccag gctcttttctg gtttacnnga 180  
ggannctnct atcacagacg agggctcgacc ctgtnagtgt gaggcaaaag tngatncatc 240  
cggggccngn gcnggagcaa aggcctgacc tcagaaggac ctggccacga aaatcattna 300  
taagccgcnn gtcctccgca cacttatana aagtngnacn gggccatgtc cgaataacca 360  
ggcttnnggc ncaaaacttg agaaanccct tctggctctc aaagctccgg gg 412

<210> 1534  
<211> 122  
<212> DNA  
<213> Mus musculus

<400> 1534  
tgccggagag ataccgacga ggaacgaaga ctgnttccat tctcatcccc atgnttagct 60  
gacacacttg agccctcacg ngtgctgtaa tgtcttatta aagaagatgt taaaacgaac 120

aa

122

<210> 1535  
<211> 527  
<212> DNA  
<213> Mus musculus

<400> 1535

ctaaaggaac	atatantact	atgganatga	ccatncatgg	gnngcatacn	ttccttnana	60
gggaggcgcc	ngcaactgac	atagccaaga	ggatgaagtc	agaataccag	aactgtgctg	120
agtgtggaac	tctgggtttgc	ctcagtgaca	tgagggcgca	cataaggacc	tgtgagaagt	180
acatcgataa	atatggccccg	ctgctanaac	ttggcgacac	cacagcaaga	tgtgtatgtc	240
cattttgtca	gcggggaactg	gatgaagact	gcttgctgga	tcattgcatt	atccaccaca	300
gatcagaaag	gaggcccgtg	ttctgtccac	tttgccattc	acgacctgat	gaaagcccaa	360
gtaccttcaa	tggcagttta	attagacatt	tgcaagtcag	tcacactttg	ttttatgatg	420
atttcataga	ttttgatata	attgaggaag	ccattattcg	cagagtgcta	gaccgctcac	480
ttcttgaata	tgtgaatcag	tcaaacacca	cataatttta	tgactag		527

<210> 1536  
<211> 378  
<212> DNA  
<213> Mus musculus

<400> 1536

gtgggggagcg	tggctttcttc	tacacaccca	tgtcccgcgcg	cgaagtggag	gaccacacaag	60
gnagtggcnt	ggaanctaga	atcccnccaa	ggccacgcnt	ncccntttgn	tgttcgagat	120
caaactgtnt	aagattnttc	aagggtgnngt	tgannctcct	nacatncgaa	tgngctggnc	180
tanaccaacc	ncnctggtn	ctggaccta	canatcacnc	tgccctctnt	tcctctgngc	240
tgnaaacaan	nnttggannc	nccctggct	ccncacccc	cacccaccca	atcttaaaag	300
aattgtcttc	aacctaatac	ttttaaaaac	atttttttaa	aaagaaacgt	tttaataaag	360
ctgttgggag	ataaatac					378

<210> 1537  
<211> 374  
<212> DNA  
<213> Mus musculus

<400> 1537

tgaacctgca	agagccacac	ccngtgcacc	nttctacnag	gaccaataga	ttattcgcn	60
gcgaataana	ctcccctccc	ccttncttca	taactaatcg	tcnccaccaa	naaaattttg	120
accntttgat	caccacaaag	atcnggnnca	nataagccta	ncncacagtg	atcaaannnt	180
anancccata	actaatcgtc	caccantcc	ttgacagttc	caatgctgtt	nangaggaag	240
gngaaatnnc	tcccgaagct	tgcatnccct	tntgcntnnn	anctnnacta	agganggata	300
accttattct	caacaatgnc	aggggcattt	ttggaatcaa	ccaaagccag	ggacatccct	360
gttggacatt	tgat					374

<210> 1538  
<211> 176  
<212> DNA  
<213> Mus musculus

<400> 1538

acacctctac	caaactcaaa	taannaaacc	ttcatcanct	tnactgnatt	tacaatgtcc	60
tgggatatgc	aattntaatc	acatccataa	nactttttcc	acaaattaat	tnaanatgna	120
atnccacccc	caaantntnc	ttacatcatc	ccttcaattn	acacccaaag	ataaaa	176

<210> 1539  
<211> 471

<212> DNA  
<213> Mus musculus

<400> 1539

ccggaagaaa	aggactgacc	catgtaagct	gaaactgggt	ggacccatna	gtcacgaggg	60
gggggggnnt	tcggntang	aacacnatgg	agaaatactt	taaggagtgg	agactggaag	120
ccggatactg	atgctgtcac	agacgtctgc	tgagttccgt	acagcaggcg	gcgataatga	180
aatctaaatt	gatgtgaggt	acngnccatg	agaggnacag	cctcangact	gcgctcctcc	240
ctcgctttga	acagtgtatc	acccaagggt	ctgggtgcct	tcagaccccc	cagtgtaccac	300
tgagaggagc	tcttcccagt	ccctttcact	ctgaatctcg	tncccatggg	ttaacgggtca	360
tctgccggca	accatggata	ccagacacca	agcattatct	atgtagtaat	gaaacaaacc	420
ttttatatna	tatgtattct	taaataaaat	ttaatataga	acttaaaaaa	a	471

<210> 1540  
<211> 448  
<212> DNA  
<213> Mus musculus

<400> 1540

gctgataggc	aaagctggcc	tcaaagctgt	gaccctcttt	ctccagcctc	tgatgctggg	60
gctacagatn	gggnctctcc	acattgtcca	gacattttca	cagtcttggt	tagcttcttc	120
agtagctgag	agtaagattt	atgacattca	aaaccacaga	ctttacaata	ctgctaagtc	180
agatcaacta	tgaattggaa	tacaaaacaa	gagaatgttc	ccaaaccccc	accatattct	240
aaaacccagt	catctatctt	gcagcatttt	ttaatgactt	ctacaacatc	tcaaagttct	300
ttcaactatt	ctccccataa	ccaagaagca	tctcaaactt	ctttcaacta	ttctctccat	360
aaccaagaag	catgcatgta	ttctgggaat	tcaaattcag	tttcacagcc	acttctgagc	420
ggcagaaatt	atataactcc	tcagactc				448

<210> 1541  
<211> 485  
<212> DNA  
<213> Mus musculus

<400> 1541

gaactgagag	atcctgtnta	tttcgacgat	aattggctaa	acagcaatca	aaactgaagt	60
aggagacaat	tggaggttta	agatcagcaa	tttaaagaaa	attttaaaag	gcattcttga	120
ttacaatcat	gagatttttag	gacagcagat	taatgatctc	acccttcctg	acgtgaacct	180
cattggggag	cattcgcatg	cagcagagct	cggaaggatg	ctgcagctca	ttctaggctg	240
tgctgtgaac	tgtgagcaga	agcaagagta	cattcaagcc	attatgatga	tggagggaatc	300
tgttcagcat	gtcgtcatga	cagccattca	agagggtatg	tgattagagc	tttgcactta	360
acagcttgta	acaaattagt	ggagaaaact	agttctcaca	agagaaatgg	caaccttaaa	420
aaattatttt	attgtctata	cctatatcct	aattaagttt	ttaagtccac	tgtgaaaaaa	480
aaaaa						485

<210> 1542  
<211> 155  
<212> DNA  
<213> Mus musculus

<400> 1542

tttttgagga	tcgcctancc	ccttttttag	gggttntgcc	cnccccnac	canatatntg	60
gagtcnacgc	ccnaagattg	atgagtttgc	cttgggagtc	angagaaaag	gtgaaataag	120
aggccacnt	gggtcaagaa	ggtcaaaaaa	aaaaa			155

<210> 1543  
<211> 368  
<212> DNA  
<213> Mus musculus

<400> 1543  
aactgagcct cacaatgttg ctctgactgg ctgaagcaac gtatgcgaga agctgggatac 60  
tttcttaacc cacaccagag acangtgctc gcaaagacat acctgaagtc attcaccaac 120  
aaaactggga agcatgtaaa aacaaagcag ttgcttggtt ctaaatacca gaatgcaatt 180  
ctttcaagca tctagatgga gcccatgagc tccaagcaga gcagtaaatg acacaacctc 240  
ggggttcgac gtgtgataag gtatcctgta actactcttt gtaccgctgg gatctacct 300  
gcttcactgg atgacatgca gccttttctc ttagcaaccg catgaataaa catccaagag 360  
aaaaaaaa 368

<210> 1544  
<211> 147  
<212> DNA  
<213> Mus musculus

<400> 1544  
ctgagttgga acatctggaa gcaacgggtt gcccanttca gagcaagcac tanaatagga 60  
nagaantagg aanggaacnaa naaggaacct gatcncaatt aaggaagctg ctgtttctgt 120  
acaanaagan tctgatcttg aaaaacc 147

<210> 1545  
<211> 231  
<212> DNA  
<213> Mus musculus

<400> 1545  
ggaatcgaac gcccgaagac tcttttnagga atggatttct tagnatggcc aacgtggant 60  
tganttcctt ggcccggctt cccagcttga attnactcng gaagttggaa cttctgactn 120  
tatntttctg gaggcttgga antcctggna cacaaatntc ccaatcttng ctacctcaat 180  
ctgantggaa acnatatata anatctcctc tncagtacta agcgtgcgt a 231

<210> 1546  
<211> 243  
<212> DNA  
<213> Mus musculus

<400> 1546  
aaatgggttaa gcagcgtgga cagagtggcg gcggtcagaa ggcttgccct cggaatgcan 60  
atctgttacg gactagggan ccaggccctt gagcttgctc ttggaactcc atctcttctt 120  
ccttccctcg gcttaccag gctgttttga tntttcagtg cantgttgaa tgtctcattg 180  
ttttgctgct ctgctattta acacaatgtg tttttttttt ttatttttat aactaaaaaa 240  
aaa 243

<210> 1547  
<211> 205  
<212> DNA  
<213> Mus musculus

<400> 1547  
cattgacacc acttctaaat ttggccacnn attttttctag acagcacang agaaaagggc 60  
cttctgtgggt cccannagg aancatctgg agaaagaaaa tccggagacc ttgggaaaca 120  
tgtnanatnt ctggaatgna cacacctggg atntancact cttgctatct gtccggtcct 180  
ttttgttcaa taaagtccta aggca 205

<210> 1548  
<211> 499  
<212> DNA  
<213> Mus musculus

<400> 1548  
tgaactggtg gcagaaaact gaaggaggat acaggaagat gggaagggaac tactgagctg 60  
caccatgctg gccgtcctgt cccctgtgct gaaggacacc tgcatacacac ctgcacaggg 120  
aggggacagc agcctgaact tanccctgat gctgggctgt gtgaagtggc taatatgcag 180  
caggcacacc aaggtctacc tctgtgggaa aagtggctga ggctctctct cantacctct 240  
ttccctggtg cctctcactc ggaccctccc agggccgcac acaccctcca gctgtttcat 300  
cactttgctc aggaacctca gctgcctttg aacgttatcc ctaaaaatca ccanccttcc 360  
acatgacatt cacagntagg tgccagtcac ttctaacccc agggacccta ttntgggggg 420  
ntngcttant gtctntggcc agnnatgncc atngntggga accatgctga aggnnagngg 480  
ggggtggggg aattagggc 499

<210> 1549  
<211> 259  
<212> DNA  
<213> Mus musculus

<400> 1549  
tggccatgag ccattttgag cccagtgant acgncccatg tgaactgcta tcagantnat 60  
cntngccnnt gtcntaaac ngtaggggtg tggggagnct aangtgacaa ctgacccctgc 120  
ttccctttcn ggaagccang gtccctgcag aagaaaatct tgtgttgat ctncctgtccc 180  
atatccgcgn gagtaacatt agnanaagna cngggacngt gtcccatgcc tgcggtccta 240  
acacttgaga ggtggagga 259

<210> 1550  
<211> 301  
<212> DNA  
<213> Mus musculus

<400> 1550  
cctgggatag ggtattgact ctgtaanaaa ggcactaatg gttacttcca cttccgggtgt 60  
cgctctgtct tccactcata ggtaaagggc ctagtataag ccgnaagna tccagggcac 120  
atcggtggtg atgctgtaca gtgtgtgggg tactgcccac cctttccacg taagnagtaa 180  
acacacaaa gaacttctgg tgggtgttccg gctcggctgc ttcttgntgc ttcagcggac 240  
ttgtgcgatt ggacagagcc tcttggtttc ttctggatcg agccactgct gctgagtttg 300  
t 301

<210> 1551  
<211> 229  
<212> DNA  
<213> Mus musculus

<400> 1551  
tatcattacc ggatccatct atttgaatac tacagcttcc ttaaaaattg canaaagggg 60  
tctggnana tnactcggcc cccaagcact ggctactctt ctaaaggacc caggttcgat 120  
accattact cacntggaan ctcacatttn tctgttactc cgttctaaat ctgaattcct 180  
ctctgacctc tttgggcact gcacacacnt ggacaaaaca cctaaatgc 229

<210> 1552  
<211> 149  
<212> DNA  
<213> Mus musculus

<400> 1552  
ctggaagaca accgggattg gtatgacaat cgccatccgc cagagatcct cccacccct 60  
gaanccagt accttatnac atgcatcaca gatccgngcc ctgactgaca agttccaatt 120  
tgagctcacc ttgtaggaag aggattgaa 149

<210> 1553

<211> 114  
 <212> DNA  
 <213> Mus musculus

<400> 1553

gaactgaggt tgctattaaa atcatagata agagccagct ggatgaagaa aacttgaaga	60
agattttccg ggaggttcag ataatgaaga tgctttgccca tccacacatc atca	114

<210> 1554  
 <211> 223  
 <212> DNA  
 <213> Mus musculus

<400> 1554

ggcaatcctt tccttnactc ggaagtgaag atactcgtnt ttgatgcctn cttgggtcccc	60
tccggctacc atgctttgnt ntcagaataa gancgacgac ccanaatnct nctttccctt	120
ttgaatttac taaagtgnat ttttctatga aaagaacntt gaaagacaan aangaaacgg	180
annggtacna ntcgctacga anatcttaag ccatgaatga gtg	223

<210> 1555  
 <211> 178  
 <212> DNA  
 <213> Mus musculus

<400> 1555

actgaggcag gagganggcg agntncaggc cagacaaggc tacatagcag gaccttgcct	60
caacaaaagt gaaaaccaca tttctgaagc ccttgaagct gagcgtccct catcctgtaa	120
agtattccca gtcaggcacc gctgctgtca atcaagaatt gaaactgaaa aaaaaaaaa	178

<210> 1556  
 <211> 319  
 <212> DNA  
 <213> Mus musculus

<400> 1556

agcagtaaat caagctggtg ttgtgtgcca agagaaagta ccacttgatc aagctgtcta	60
taaatacagt gtgtcatgac tccaagtaga gaaggagaag cccatggaag ccaatctgca	120
atttggtgaa ctctcttaga aacacagttc tttcaggcag ccgaaggatt atctaattac	180
ccaaacaaca gagacttctc tctgggtccct gaaggaaact cattgggtta aaggtgggtc	240
gtcattggcc tctctggtct tttgggaaca aaattgtttg ggaaataaag ttgagttgat	300
gtcattttta aaaaaaaaa	319

<210> 1557  
 <211> 146  
 <212> DNA  
 <213> Mus musculus

<400> 1557

gatgaaggaa gaaatttacg gaaaggaaga aatggcggcc acattcacac tgttaagctg	60
aaggaaagat actaactcag tatctcagtc tgccttgagc tcccgcggtg ctcacagttc	120
aagaacataa aggcaaaatt ctaaaa	146

<210> 1558  
 <211> 195  
 <212> DNA  
 <213> Mus musculus

<400> 1558



tgacgggaag	ccccagcatc	aagtgtctgc	cgccacttct	gctgcctgct	gcctgctgcc	60
atgcttcccc	gccaggatag	actctgacct	gcaggaatta	tcagcccca	aacaaacctt	120
ttcttctata	agtcaccttg	ttcatgtgtt	tatgacaatg	ccggaaaggt	aataaatacc	180
tcagaaaaaa	caaaa					195

<210> 1559  
 <211> 319  
 <212> DNA  
 <213> Mus musculus

<400> 1559						
gattttgcag	ttgaaggtga	tgaggttgga	acacctggta	catgctgaag	gaccagcgga	60
tctgggagct	gatgagaact	ggacccgagg	agcatcagag	ctggaggagg	ccccaccag	120
agtcactcag	acctcgatcc	tgagcccaac	cggagctcct	cactgggtcat	gcagcctcca	180
tgtgagacgt	gaggtgtgga	ggccagagca	cgctggggcc	gcagacgagt	ttggacagat	240
ttgagtttgg	ttctcccaac	cccccaatat	cgtgtcatca	tcattgattt	actgcatttg	300
tgagctcaca	aaaaaaaa					319

<210> 1560  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 1560						
gcacccctgac	actgaagaac	aacctgctgg	tccagatcaa	aagtcaatat	atgacaataa	60
aactacagga	acaagggtctg	gagagtagcc	cagccttcaa	tcccagcact	tgggaggagg	120
gnaagttgat	ctgngagntc	aaagccaacc	nggtcttnat	aggggccgaa	ctacccccaa	180
atta						184

<210> 1561  
 <211> 386  
 <212> DNA  
 <213> Mus musculus

<400> 1561						
agctgctgca	gtggctagag	cagagacatc	tcttgcacgc	gctgggtggcc	gacgtggacc	60
cagcgctaga	cccgcagctt	cctcggcagg	cttctcagcg	ccagcgccgc	agtgccgcca	120
ccaacgctgt	gcaccgctgc	tgtcttactg	gctgcaccca	gcaagacctg	ttgggtctgt	180
gtccccactg	aaggagcaca	gggtcaggc	ggtgcgtcct	taattgctcc	ccacctcctg	240
gctatgtcat	tgcaacaacc	cagtttgcct	tggaggatcc	ctagtttatt	catagatcgc	300
agtaagcaag	gaccacaggc	cctgtcccca	agaagcccca	tcattgacctg	tgcccacctc	360
ctccctgtgt	cccaaacagt	ctaaat				386

<210> 1562  
 <211> 148  
 <212> DNA  
 <213> Mus musculus

<400> 1562						
tcagggggca	cagagactca	accagtaacna	aagaatncan	aggtgatggn	cntgtntccc	60
tcnagagaag	atgactacat	tataaactcc	cttttcaacc	ccaacaccca	ctatatattt	120
ttaatatata	gaaaaaaaaag	ctaaaaaa				148

<210> 1563  
 <211> 300  
 <212> DNA  
 <213> Mus musculus

<400> 1563  
gacctgaaaa gcttcctttt ttcaggcgcc agaggatcaa gagaatgcag catcccaagc 60  
ctcctcctgc tgggtgctctg cctcctcctg caggggtgtgg ctggtaaggg ctgaggctcc 120  
taagtgcgat gatagactct cctcctgagc tgtcaccctt gattacacca cagtgtgcca 180  
gcaagaaagc tgggtgggtgg gcatctgact tgggtgttggtg tcctgtaaat aacagattca 240  
ctggaatatg ctggattctc atgctgtaca ataaagagggc ttaatgggtga aaaaaaaaaa 300

<210> 1564  
<211> 269  
<212> DNA  
<213> Mus musculus

<400> 1564  
tgtatagccc tcgctgttna ggaactcact ttgtantctc agcactantt agcagaaggg 60  
accaggagga acacaagcag aagttctcag ctgtacctct catgaggaag tgaagatcag 120  
cgaagagtgg atactaacia gcattgctca gccggctatc ccagcaagca agctcagcct 180  
ctgttattgt ctgttgagtc ctttgagttt tttgggtgtat ttctctctat ggagtcctga 240  
caaatgtagc ccaactacia aatataagg 269

<210> 1565  
<211> 312  
<212> DNA  
<213> Mus musculus

<400> 1565  
cccttgctca ggatgnttga ccgcagcctc aggagagtaa aggacagcan ggaaagtgc 60  
taatcctgca cagaacccag gaccagatc tcccgggctc agcatctctt cctgtcagtt 120  
ctgaacggnc tcagtcaaga gcagaactct aggcagtgtc ccatggaaga atccatcaca 180  
tttcagccaa agcatcgaga tttgtcttct ttttctatca agctttcctc aggtatttct 240  
gtgtgggcaa ttaatttctt taccatcctt caataaatat ctaacaataa agatgatcaa 300  
aaagtgaag ta 312

<210> 1566  
<211> 362  
<212> DNA  
<213> Mus musculus

<400> 1566  
gcccttgctc agtgcttgnc tgagtgcacc naaaatgtgn cgtggngacg catnagggtg 60  
ccttgctntn tnncttnaa anctacacac cgactttgga tgnnncttct gagacatcnt 120  
cgtgaggaca cctgagntt gntccttnt ggttntgna atgggtcattg aacntantgc 180  
tggncantga caagcatgca gcnctgatcc tctgtggact catngntatt ggcagnctga 240  
caggatgtgg aatcacccat gagacacatt atcagggtgtg cctgtgaaac acgtnnccca 300  
agagattacc tgtgacagga attcccagct ggaatgggtgg gtggcacccg ttggccctgg 360  
ga 362

<210> 1567  
<211> 314  
<212> DNA  
<213> Mus musculus

<400> 1567  
gccagagcct gggccagagg cctgcaaagc cctgtgtggt ggaaccggag gtacttcatt 60  
taagaggacg cctgtccagg acccgntgtt canatgtcct ttgccataat gttaaccttg 120  
gaacagcctt gcctgtggag aagccggctt gaccatgatg ccaagttcca gatctttttg 180  
tgccaggaca ggtggggagg gggttttacc agtgttctta actatactgt gattttttatt 240  
attgccatgt ccagctttta agtgggggtt taacggtttt ataataaata aaagtttcag 300  
gcagaaaaaa aaaa 314

<210> 1568  
 <211> 226  
 <212> DNA  
 <213> Mus musculus

<400> 1568  
 acggcagacc tctggctcct ggccacaact catcccagac tcaaagcagg aggggacctc 60  
 tagctcccc aaaccatctc tactcaccac aggacttccc tccccagcaa cctttgcctt 120  
 gtccactcct aataccagtt tgcttccaac acgttcccca gagctttcag gcagcccaac 180  
 acccacctcc cctgaagggc taacctctgc ctctctatg ctatca 226

<210> 1569  
 <211> 209  
 <212> DNA  
 <213> Mus musculus

<400> 1569  
 gaggtccaac agaacacgag agagaatact gcatgtgtac atcactggaa caagaatctg 60  
 ttcgggtttc cctgggaatc cagagtgatc agcctccgaa gaaccaatgc tatgcaacag 120  
 gcagttcaca gtcgagtga catcaatgtg gaatgagtgg aggcatttca atgcaaataa 180  
 atgctgaata tgaaggatta aaaaaaaaaa 209

<210> 1570  
 <211> 365  
 <212> DNA  
 <213> Mus musculus

<400> 1570  
 gggagactcg ggcggcccct tgatctgcaa tggcattctt catggagtgg actccttctg 60  
 gatccgcgaa tgcgcctccc tccagttccc tgatttcttc gcccggtgt ccatgtatgt 120  
 ggactggatt caaaacgtgc tgcggggcgc anagccctga ggtgcccttc tgcgctccag 180  
 gcagcctaaa gctggggcga ccagcaggct ctagtgggaa aaaaatggag tggggtggac 240  
 tagaccttcc caggcttttc tttcaccac gcacccaccc acgcagcacc ccctggagtg 300  
 gagtcaagtc tgttccctat tccatatgac ctcaataaaa actgagacat atttaaaaaa 360  
 aaaaaa 365

<210> 1571  
 <211> 237  
 <212> DNA  
 <213> Mus musculus

<400> 1571  
 aggaacctgt cttattgnga ccaactgaatg ntacggccnn aattgggccc cgantcncnt 60  
 cgattatgga ctgcnttcag naatacantg ctttggacct tcctngtgat attanaaaag 120  
 tttgnntgn tcgnncnnta cngatnanaa atacttgtac ttcccccttt gcttgtgcat 180  
 ttaagccttg agcctttctc aatacagcgg gaccttcttg ccactcaaaa aaaaaaa 237

<210> 1572  
 <211> 152  
 <212> DNA  
 <213> Mus musculus

<400> 1572  
 gccaggcctg ccaacctgag ttcaatagca gaaccacac agtagcaaaa gaaccaactc 60  
 tgacctcccc tctcccctc ccctctcctt cccctctcca gtagtcactc cagagacacc 120  
 caaaataaaa aattttaaag taaaaaaaaa aa 152

<210> 1573

<211> 364  
 <212> DNA  
 <213> Mus musculus

<400> 1573

gcaagctcct	ggagagccag	ccccgcgcc	tgccccgcc	ccatctcacc	ccagtactcc	60
ctctctcttc	tctactatgg	acagagaata	cactgaggag	cctgctacac	acccagctga	120
tctggggacc	agcggagcca	tgaggctggg	ttcagcaatt	ctcggtttac	tcctgctcca	180
aggctacagc	tctcaacctt	cgacaactca	gacctcgcag	gaaattctac	agaagtcttc	240
tcaggtctcc	ttggnatcca	atcancctgt	gacaccaagg	ncaagcacca	tggtataaca	300
gtccctttcc	ttgcctgact	tgatgtcctt	ccagccacag	aagcacacac	tggtgacctg	360
caca						364

<210> 1574  
 <211> 350  
 <212> DNA  
 <213> Mus musculus

<400> 1574

gacgtctgtg	actgttttgg	gctggggcact	gtcgtcgaag	gtatgttcag	ctatgacagc	60
ccaaggacag	ctactgagga	catttgccctg	cttttgaagc	tgacacaccg	ttctgaattc	120
tccgcagcgc	tgaggcttat	ctccggggcgc	cacaccgtct	tatctgaagt	ttcttctcct	180
tcgtcttctc	gagaagattt	ataaccacga	aaagccacgc	catgatttct	gcttccaaaa	240
ttgtattctg	gttggttttat	tttgctccct	gtcctccgtt	ggcttcgagg	atgctgttga	300
gcaatctaca	aattcccaga	gtgtctgnga	ctttgtaggc	accggggccg		350

<210> 1575  
 <211> 127  
 <212> DNA  
 <213> Mus musculus

<400> 1575

gatgccctct	cttaggttta	gaaatcgctg	gaataccaaa	gagcaaccgc	ttcctctggt	60
gggcagctga	ttcttatctg	tacatgggac	agggcggggg	ggcagggggg	ggggagttaa	120
taataga						127

<210> 1576  
 <211> 193  
 <212> DNA  
 <213> Mus musculus

<400> 1576

acctgggtaa	tgaccactga	ctggctcttc	ctaagggggc	tgtacttaaa	ntcccaacng	60
ccacatgtat	ggggtcacaa	ccacctgnga	ataagcatct	gcacgccctn	ttctgggtgca	120
tctgtaagga	cagctacaga	tgntacttat	ttataataat	aaataaatct	tttttttttt	180
ttaaaaaaaa	aaa					193

<210> 1577  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 1577

ggtcctctgc	tggttttggtg	tgacattctc	tctcgagtct	gacaagctgg	actggcctct	60
gtgttttgctt	ccctgtctcc	acagtatgcg	atccaggacc	tggaagtatc	acaaacgaga	120
accaatcatc	ctgttttacat	tttggtactgt	aaataaagga	atttttttta	atgcaaaaaa	180
aaaaa						185

<210> 1578  
 <211> 186  
 <212> DNA  
 <213> Mus musculus

<400> 1578  
 gctctgctca taactgtagg caagaacgtg gtgcctcttc actccagaat ggggctggtg 60  
 aaaggcattt ttcttctcca aaactcattt ctcaagtcaa actataatga gacagcaagc 120  
 tgtcaccagc agaagagact atgtatgacc tctattaaca aagggtgaatt aactgaaaaa 180  
 aaaaaa 186

<210> 1579  
 <211> 220  
 <212> DNA  
 <213> Mus musculus

<400> 1579  
 gcaaattctgc aggagacaca gcgtgacggc tggactggag gtggcctttc ctgaagacgg 60  
 cacaggcaga tagtgacaca aacggtcacc cttgaccac ccacagaagc taacatcagc 120  
 ctggctgtgc tgtgtgcctt caggaagagc acttgacagt gcttaaaact cccgccaatc 180  
 cactgttgca taaataaaag tggggccaaa cagaaaaaaa 220

<210> 1580  
 <211> 445  
 <212> DNA  
 <213> Mus musculus

<400> 1580  
 agtgttttaa acggaccaac aacttgaaca atgccaaagtc tcaaggacaa aaggatgctt 60  
 taccaaatga agaggggaca gaactccagc ccattgtgag atagggacca agagaacttt 120  
 gactacctgt gacaccgaga caaagtctac agctgttttc acgtgaacta gagcacggaa 180  
 gatgttaaaa ctatgtctat atgcatcaat ttaaaaggca caatattggc tgggcacagg 240  
 gacacacatc tgtaattcaa aactggaaga ggctataagg ctagcctgag ctacatactc 300  
 agatgttaaa tgctagcctg aatgctacat agagacctca tataaacaac caaacaaata 360  
 aggttggttc actggataaa ggtgccagtt gccaaaccga ggaactgaat accccaggac 420  
 ccacatggta aaaggagaga atcag 445

<210> 1581  
 <211> 382  
 <212> DNA  
 <213> Mus musculus

<400> 1581  
 actacaaagc aattggcaac gatacggaga ggggacgttt tctgaagtta tgaagatgca 60  
 gagtctgaga gatgggaatt actatgcgtg caaacaaatg aagcagcact ttgaaagnat 120  
 tgtgctggaa aaagtagggg ttgaggccaa acagccaaat tctgccatca ggaagtgcgt 180  
 caggggtgcan ctcatthaaga acgggaagaa gatcacagcg ttcgtgccca atgatggctg 240  
 cctgaacttc attgaggaaa atgatgaagt tctggttgct ggatttggtc gaaaagggtc 300  
 tgctgtangt gatattcctg gagtcengct ttaagggtgg taaagtagcc catgtntctc 360  
 tgttggtctc atacaaatgg gt 382

<210> 1582  
 <211> 541  
 <212> DNA  
 <213> Mus musculus

<400> 1582  
 gcagggtgaca acgctgaatt ggtcctcagg agcggatggt caaggaaccc tgcctatgca 60

ccatgctagc	tgccagtcct	aggttgggac	attccactgg	ggacatccat	gggagagcta	120
tggccattaa	caagtcctga	gccctgacct	gaagccatca	gtggcctagc	tgctctacct	180
gactttgtgg	cctcccttcc	tggatctctc	gcttacgaca	accgacaaca	aagatgtttg	240
actccagaag	atgctccccg	cggcccacct	gagaggactg	tccacacccc	accccactgc	300
gccctgtgcc	atctacctct	gagtccccaa	cttctcaccc	atgtttcaac	tcccacccca	360
gagccttgta	ttccagatct	gagcagccct	tgcttaggaa	cctgagggtg	ggggtgggta	420
ggcagaccca	ggggactgag	cagggagggg	aaggaggggt	ttctgctctt	ggctttcaaa	480
gttctcaatg	tgtgtagccc	tttgaataat	aaacatatgt	catataatgt	aaaaaaaaaa	540
a						541

<210> 1583  
 <211> 390  
 <212> DNA  
 <213> Mus musculus

<400> 1583						
gtggatctac	cttaacgata	agaacctatg	catccctgcc	agctcctcct	ttgtctacgg	60
agcggtcctc	ataggagcca	gtatttatgt	tatcggagac	ctggacacag	gtaccaacta	120
cgactacgtg	cgggagttta	agagaagcac	gggcacctgg	caccacacaa	agccactcct	180
gccatctgac	cttcggcgca	caggctgtgc	agccctgcgc	atagccaact	gcaagctctt	240
ccgcctgcag	ctgcaacaag	gcttggttccg	catccgggtc	cattcccctt	gaagaggaag	300
angagccaaa	agtgagatcc	tgcccaagcg	catcccgtgg	ctggcgggcg	caagtgcagt	360
gaagcagccc	catctcgctg	tgcgctgggc				390

<210> 1584  
 <211> 106  
 <212> DNA  
 <213> Mus musculus

<400> 1584						
gccgcctctt	caccacatga	gnnttaaaca	taaataccct	accgattcnc	aactgcacct	60
gtngtgcaag	tgtgcagccc	ttanntcgct	ggttctactt	cctttt		106

<210> 1585  
 <211> 137  
 <212> DNA  
 <213> Mus musculus

<400> 1585						
gtacgccaca	ggggcatttc	aaagctcaca	anattcttgg	ncacgcatnt	atgcctgtnt	60
nccnntaaac	ctcgtncagc	agaactggag	agntnttcag	tgccaagaac	tttcangtnt	120
ttactttgac	cctgaaa					137

<210> 1586  
 <211> 385  
 <212> DNA  
 <213> Mus musculus

<400> 1586						
tgagaaggga	ggcggangtc	tgacaagatg	taccagggtcc	cactgacatt	ggaccgggat	60
gggaccctag	tccggctccg	cttcactatg	gtggccctga	tactgtctg	ctgtccactt	120
gtcgccttct	tcttctgcat	cctgtggncc	ctgctcttcc	acttcaagga	gacaacatct	180
acacactgtg	gggtanggn	tgnanggcac	tgncggatca	tcntgacaga	ngagncancn	240
ctcatggnc	actgggnggg	ggcgggctat	tngtaaanen	agggctcang	annnangtnc	300
cttttacctt	ctatganana	tatanggcct	gngnntacta	aagctgggca	aaccccnana	360
ctnagaacct	tgccagcta	taaaa				385

<210> 1587

<211> 251  
 <212> DNA  
 <213> Mus musculus

<400> 1587

agactgagag	caccgaagta	ccatttcact	tccagactgt	acctcgttac	tcgacaggat	60
ggaaatcaca	acttcatcca	ctgggggctgg	aaagcaggcc	aagggtattac	ccccgagcag	120
agaggggggag	agaagcaagt	aagaggtgca	cagccccgcaa	tccccgtact	tgggagatgc	180
atgcagaagg	agctcatgtt	ccaagccagg	atacgacaca	gagatcgtga	gatgccagga	240
cttgggaagg	g					251

<210> 1588  
 <211> 445  
 <212> DNA  
 <213> Mus musculus

<400> 1588

tggctcctac	ctcatcactg	gctgggtttac	ctttatcctg	nctatggatg	cctgctacag	60
tatccacgtc	tacgggatga	taaatgaaac	ctactgcaag	acagaagggt	atatgaaaag	120
tcccctatca	ctactatgaa	caagggaag	atgagtgtaa	cgaatatctt	ctccatgaac	180
atgccccgta	tgggggacac	aggttcatca	ccgagaagaa	agtgtttgcc	aagtgggcca	240
agaagcacag	aatagtattc	acacacccga	actggacgct	gtcctgatgc	cgtganatnc	300
cacnantntg	nnggnggntg	tggngaaaaa	angctgatgg	tgctgaccgg	tgtagcanga	360
tgntcaagg	gtgaccatgg	ccctggacat	tctntggngg	nggatctgac	tctgttagna	420
nttgaacttg	gcgttccttg	ggaat				445

<210> 1589  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 1589

gactgagggg	aaaccgcccc	tcatgactca	acagcagatg	tctgctcttt	cccgggaagg	60
gatgctagac	gccctcttcg	ctctctttga	agagtgcagc	caaccgccc	tgatgaagat	120
gaagcacgtg	agcagctttg	tccagaagtg	gagaccgccc	aactgtgatc	ataccatttc	180
cgggaaggag	gcccgcacac	cacgattgta	ccctttcctg	tggggagacc	tgcccactat	240
ggttgcgta	cttcctggcc	taggatcctg	gaccaataaa	aaggagaaaa	ttcactgtta	300
aaaaaaaaa						310

<210> 1590  
 <211> 422  
 <212> DNA  
 <213> Mus musculus

<400> 1590

agaggagatc	taaccttnac	tntgaaactg	tggctttttg	cctgcctggn	tgccctgtttt	60
gttggggcct	ggatgccggg	tgtncatgcc	caangcgcct	ttgaaaactg	ctgcctgggt	120
taccaccaca	ngatcaaagt	gaatgtttct	cggcatgcta	ngaattatca	ccagcaggaa	180
gtgagtggaa	gctgcaacct	acgtgctgtg	agattctact	tccgccagaa	agtantgtgt	240
gggaatccag	angacatgaa	tgtgaanagg	gcgataagaa	tnttgncagn	tangaaaagg	300
ctnnnncant	ggaaaanagn	cncanacttt	cagactgana	ggaaagaagt	cnaaccatat	360
gaaagtccaa	ggggggagaa	cccaacaaga	cangngtgaa	ggangcccc	ctaagttatt	420
cc						422

<210> 1591  
 <211> 278  
 <212> DNA  
 <213> Mus musculus



<400> 1591  
agactgagga cccagntgat ggtctgctgt tgccccattc anaaatgtct gccatcctca 60  
agttaaaccct ctctggcanc accctcccag gcatgcccag aggtgtcttc tacctgactc 120  
tagatccagt caagatgcca atgtgggtta accgtcattt catgggtgctg tgatggagcc 180  
aggagatgac aattggaggg aagcaattgt tgggtgccatg ctcttgaacc tccaaaatgg 240  
ttaaataaac tcgggggtttc ttttttttaa aaaaaaaaa 278

<210> 1592  
<211> 128  
<212> DNA  
<213> Mus musculus

<400> 1592  
tcacagactg agtttgacag gttnaaagca cnagaagaan aatactancc aangngcccc 60  
agacgggata gngactccan tgacngccat aagatnccct aaagctaagg cactgcagaa 120  
aaaaaaaa 128

<210> 1593  
<211> 254  
<212> DNA  
<213> Mus musculus

<400> 1593  
ggccaaatac tacacaangg gggactgggg acaccgcccc ccctttacat catgaaactg 60  
ccgatgttac tggctnatgc ntggnggaca ccagcataca aagtcttgac accaacacct 120  
canagggctg tggtctgtcc ccgtgaccat catctagtgc ctggaaagac tagtgacaag 180  
aacttggtgc caacttecta ttacctccct aacagntggg caataaaccc catagggtta 240  
ttcaaaaaaaaa aaaa 254

<210> 1594  
<211> 109  
<212> DNA  
<213> Mus musculus

<400> 1594  
cgaagtctcg atcactagac gggagatgct gncaagtgcc ccagacggga tcaagactcc 60  
aatgacaacc ataagattcc ctaangctaa gacactgcaa aaaaaaaaa 109

<210> 1595  
<211> 239  
<212> DNA  
<213> Mus musculus

<400> 1595  
ggtttactga ccagtacttg aattgctctc cctggctggg ggtaacctct gccctggag 60  
ccttcccttg ttctacaat gccaacctct cangttagac ccagccctgg agctcatggg 120  
gtgccttggc cctgccctgc acacctgctt ctctccatgc atccaggtct atcgacctga 180  
agctgcaagc tggcccaaaa aggacaataa aacctgccac ttttgcatga aaaaaaaaa 239

<210> 1596  
<211> 366  
<212> DNA  
<213> Mus musculus

<400> 1596  
cacggctgtg gtgacccaac agctgntgta taacccatcc gggagacccc gagggccaag 60  
ccctgtcgtg ttagcacctg canatcgnga aggttcgcan aggcattatg gctcacagct 120  
tggaggacct cctgaacaag ggccaggngg tctnaacagg aaagntcttg ggnaccnat 180

ccctnnnntc	tggccacanc	ccgcgggaca	ccactattgt	tnttgtgnaa	aataataact	240
gnatagctnt	tnntgaggcc	ctnatnaatn	atcatccaan	tgnantacca	taggaaaggn	300
gatttgattg	ngaccancta	tttgganacg	ccctatcang	ttttattaag	ttagaccatt	360
tgacct						366

<210> 1597  
 <211> 138  
 <212> DNA  
 <213> Mus musculus

<400> 1597						
aactgaggca	ttaaagacct	cattttgctg	agtggccgga	tattcctact	gctggccctg	60
cttaccttag	tcattttccgt	gaccacctcc	tggtttaact	cactgaaacc	ttcgcaaggt	120
catctgaaag	aaaaaaaa					138

<210> 1598  
 <211> 427  
 <212> DNA  
 <213> Mus musculus

<400> 1598						
atagccctgg	aacggaaatc	atgttgggca	agcnggacca	accgctgaag	cacggcagga	60
ggaatgacta	tnataggatt	taaggatggc	tcccgggacc	gcagcatcag	aggaacgtct	120
agaacacacc	ttaagggaga	gaaagaccgt	tgtgagggct	ctcaggagca	agcacctata	180
ctctcttggc	aacttttcctc	gatgtccagt	gtccacncac	ctcctagctt	tgagcatcgn	240
tgnetactcg	tccttgagag	cgtcngcaag	aaggaaatta	ctctgccatt	ttcaaccacc	300
cctnatccca	atcttaccat	acttatccta	gactggctct	tccaggacca	gatcttgagg	360
ctgacntaac	ctttngggtn	cccaaaattg	agnnccgggt	ggnccaaaaa	gggggttcct	420
acctata						427

<210> 1599  
 <211> 153  
 <212> DNA  
 <213> Mus musculus

<400> 1599						
acgactgccca	ttgggtcatgc	atacatggac	catacatgga	ccnnncncatg	cgtgtngnta	60
ngaaanaatc	cttnatcacg	ngnnctttct	actgtttgct	ttngcagaac	atcctctctc	120
ttgtatctgc	ttcagctaaa	tgttccttca	tga			153

<210> 1600  
 <211> 496  
 <212> DNA  
 <213> Mus musculus

<400> 1600						
ctgaggttat	ggagacaaag	gatatgctct	acattgtcac	agaatttgca	aaaaatggag	60
aaatgtttga	ttatctgact	tccaacgggc	acttgagtga	aaacgaggct	aggcagaagt	120
tctggcagat	tctgtcagcc	gtggagtact	gccacaacca	ccacatcgtc	caccgggacc	180
tcaagacgga	gaacctgctc	ctggacagca	acatggatat	caagctagca	gattttggat	240
ttgggaattt	ctacaagcca	ggcgagcctc	tgtccacgtg	gtgtggggagc	cccccgatg	300
cagcccctga	agtcttcgag	gggaaggagt	acgagggtcc	ccagctggac	gtctggaacc	360
tcggtgnggn	gcttgtagct	cctggtcttg	nggctccctc	cccttcgacg	ggcccaacct	420
gcctacgctg	agacagcggg	tactggaggg	ccgcttccgc	atcccccttct	tcattgtctca	480
agactgtgaa	aatcat					496

<210> 1601  
 <211> 409

<212> DNA  
<213> Mus musculus

<400> 1601  
acactgagtt gccagaaac gtctactcat cggattgcta ctacncngaa atcctcaaag 60  
caagaataaa atatgatccc ggagggatag atttaggctc tactcagttt tegtcccatc 120  
agaaagcctt tttgagctaa ggagaagaga gttatggctg gtgtctcccc tgctgtcctt 180  
ggatgcccag angtcacctt ggaaaggaac acggcantcc atgaagtcca agaaaatatn 240  
acatttaggg gacagtttaa cactggcctc cagcaacact gacttttgcc ttcagcctct 300  
tacaggaaac ctggtttttna anaatccaga tgaaaatgtt gncttctccc cattcagcat 360  
ctttcactgc cttggcccct ccttgntccc ttggggagca aaagagcca 409

<210> 1602  
<211> 220  
<212> DNA  
<213> Mus musculus

<400> 1602  
ggctggcctt tctaagcagt taggagcnac gtcattgcatt ttttctaaat ngggccngtt 60  
ttccagtgnc ancagcacag ccttgctngt acaanaaaag cggntgggtc ctgcttcctg 120  
gacactgctt gaagttccac tntgacttt ccttttgngg aaggaacann aattccgtgn 180  
gaatgtngta aagcttgaaa taaacccttt tttctcccc 220

<210> 1603  
<211> 165  
<212> DNA  
<213> Mus musculus

<400> 1603  
gaacggggag aaaatggttt cctggcttcc ctgtcagttc aagaacatcc ctgcctcaga 60  
gcctttgaag ntacaggata gctaanaact cttgtagtga accatggctg cttctgttnc 120  
cttnagaact ctgcttacat attaaagatt ctttgagacc ttttaa 165

<210> 1604  
<211> 172  
<212> DNA  
<213> Mus musculus

<400> 1604  
actgaggtga ggaaaccgag gctgaacaaa ggattattgtt gagaaatcac acaggcagtg 60  
aatggtagaa tggactgaga ctggagcccc agtggtgact cagccattga cacgcaagcc 120  
tgcttatact gtctcacttt taaaaatcat gaataaaaat aagaaatgaa ta 172

<210> 1605  
<211> 146  
<212> DNA  
<213> Mus musculus

<400> 1605  
gggagaggga gaggaagaag gtggtgctag tgggcgggtg ggacatcagt ggggaaccag 60  
tgaccaagca gttaactgtt cctgaggctc aaacaggctc caagtaaaaa tttataacctg 120  
aataaaagat ttcagaagaa agaaaa 146

<210> 1606  
<211> 448  
<212> DNA  
<213> Mus musculus

<400> 1606  
agcctgaggt gttcggctat gacangatga agctggatgt ctccttccca gacgctggct 60  
gccagcaact cctggagcat gaatgcaagc tatgtacttt ccaggagagg cgaatgggca 120  
cacaagtagc tgctgaccct ctggtgaata gtcaaaggga tacatgggtcc gaaccagcga 180  
tgggaacagc aaacaaggct ttcccttgga aggtcccagc aaggtgtctg gacccacggc 240  
caagtgcacc tgctgttggt accaaggaaa gctggagaga ggcaggctga gtctgtctgc 300  
aggcacgtta ccggatgcca gtctgagtcc tcaactcggg tatcatgagc caaggagaaa 360  
aggagattcc tggactgaca gatactcctg ggccccaag aactgcanga atnggaaagc 420  
ttttcagtct ttccaaaaga aagctgat 448

<210> 1607  
<211> 155  
<212> DNA  
<213> Mus musculus

<400> 1607  
tgtgccatag aggatgctgg tggatcatgg ntccacccag aaagaagccc tgctgttggt 60  
angttctgat ggtggaagag gataggactg acctgggggt gacatctgtc tccccccagc 120  
ttacattaaa ggatatgcaa cctgaaaaaa aaaaa 155

<210> 1608  
<211> 126  
<212> DNA  
<213> Mus musculus

<400> 1608  
ccgatgccag gatggcaagt ncntctcccc gcagtttgtg tgtgatggan accgagattg 60  
cctagatggc tctgatgagg cccactgcca ggccaccact tgtggccccg cccactttcg 120  
ctgcaa 126

<210> 1609  
<211> 228  
<212> DNA  
<213> Mus musculus

<400> 1609  
ggtgctggtg acattttgtg ggagcgtg cttttacctg gcttactacc caaatctgtc 60  
cttgggaana atgctcaaga agatccaatt tcatcgctgc agtcagtgtg caggccacgg 120  
gaaacacagt cctcttatcc atacaaaaaa gacctccctc ttgctctatt ttgactactg 180  
ctaaccacca aataaatata atctggaaag taaatgcaaa aaaaaaaaa 228

<210> 1610  
<211> 111  
<212> DNA  
<213> Mus musculus

<400> 1610  
gcaggctggt tgcagggtc caaggatgaa tngnngggaa tggactttcc cccctttttt 60  
ccccctntt ttctaaagcg tgtctgccat taaaaattg aaccttgagg a 111

<210> 1611  
<211> 239  
<212> DNA  
<213> Mus musculus

<400> 1611  
tccaataaga agaagttgag ccaggaaagt gctttcnttc aaagagtaaa ttaaaagaag 60  
acaccgtgag gctcagataa acaaggcgtt cgtgtcctga agaagtcaca gaaacagctg 120

tggtgtgagg	ggagagtgga	cacgtangag	aaatcggagc	tggtgtgata	tttctgtcac	180
aaaagacttt	cggaggaagg	gaaaagacac	gtttctagag	aatgaaagag	tgcagcgtc	239

<210> 1612  
 <211> 282  
 <212> DNA  
 <213> Mus musculus

<400> 1612						
tatagcctga	cgggtncat	gcttnctgaa	gatatngcct	tectanntcg	aacggatccc	60
aggaagtgtg	ctcatagtta	atacacgtta	ctaactatag	aatgaagaat	ctgaaacncg	120
ctaggaaaag	cttttgacan	aacccaacta	tggatcttga	caccgttngt	actntccgag	180
atttttggtat	tttctgtgga	agccatacat	tgaagttggt	gtctgcagta	acatgatagc	240
tcggtatgca	atgaaagagg	tcttcaactg	gaaaaaaaaa	aa		282

<210> 1613  
 <211> 277  
 <212> DNA  
 <213> Mus musculus

<400> 1613						
agattgctga	ggcccgcang	accgtggagc	ngntnaagct	ggaagtgaac	atcgancgca	60
tgaaggtgtc	gcaggcagca	gccgancctt	tggctntctg	tganacgcac	gctaaggatg	120
accactggt	gactcctgtc	cctgccgcn	anaatccctt	ncnggacaag	cgactctttt	180
gcaccctgct	ctganccctc	aagacagctt	tatcctcccc	cgcagaagta	tgaatccaat	240
aaacttggtg	acctggtggt	gcctgcaaaa	aaaaaaa			277

<210> 1614  
 <211> 189  
 <212> DNA  
 <213> Mus musculus

<400> 1614						
aagctgcctt	cctccaaaaa	cttnatctga	ctgaagactc	cgaanacatg	cactgaaccc	60
tacaaaagac	agacttgga	ccttccanct	atagatgaac	tctcttgcca	aagccaaatg	120
gctgctgaac	tttggggaaa	gttacatgat	agtgaggaaa	acatagtatc	tatctagaat	180
aattaattg						189

<210> 1615  
 <211> 213  
 <212> DNA  
 <213> Mus musculus

<400> 1615						
attcacttcc	ttttcnacgg	tggacaatgt	cagcntaaac	tgacctgcgg	gggaagccct	60
gnatgatacc	aacccagaa	gttgaaaagc	taccacgggg	tgggtgctag	ggcgggctgt	120
gactttgttg	gtagggccct	tcagtgcag	tggccagccc	tgagttcagt	ctccagcgcc	180
aaataaagca	gacacaacgc	actaaaaaaa	aaa			213

<210> 1616  
 <211> 453  
 <212> DNA  
 <213> Mus musculus

<400> 1616						
gactgagggc	ctcaggggga	ggangcggac	nggtaantga	gctgacgnat	ntgatcagnt	60
ccacgngcgg	ntcggaccag	gccgcctnac	agggacncng	gancntnnca	cagctcggaa	120
ngatcagana	cganctgggn	acangnaact	gcggggccan	ntggngcaaa	aatggagaat	180

aagggcaagt	cactccagaa	cttgaaggcc	cgggtcaggg	atggatgctg	ccacccagaa	240
ggacctctct	gtgaacaaac	cctaaagtat	gcctcatcaa	tgccccagaa	cccagggcct	300
cgggtgcttcc	taattcaatc	aagcaaactg	atgatcagaa	ttcatcatcg	cgggctcctc	360
accaagacag	acagacattt	ggacagacaa	gcgtcagtaa	tcaagggtgac	ccgctttttt	420
gangggngta	gctttcttga	ccttttgtca	aaa			453

<210> 1617  
 <211> 292  
 <212> DNA  
 <213> Mus musculus

<400> 1617						
catctgcaac	aaatgctgcg	ccnngttctt	tantctntat	gaatnecatgg	aacgcaagaa	60
aagttgcact	aaaaccctc	ctgtgactca	taatgannga	nagccagggg	ccantgcctt	120
catgaggact	tttccagagc	tgccctgacc	caccagatgg	gcattccang	ctcttgggaa	180
aaacntgccc	tctgaatana	atncanntgn	atcccnnaan	aanacctgac	cacctggctc	240
tctgctcatg	tctacaagaa	tcttctatcc	tgtcctgtgc	cttaaggcag	ga	292

<210> 1618  
 <211> 482  
 <212> DNA  
 <213> Mus musculus

<400> 1618						
gactgagggg	agaagccagc	tgcacccagt	atctccatcc	tttccaagcc	tgataaccca	60
tgtccagtcg	gccccatctg	gtcacagcaa	gtcagaggtg	gaatgagctg	aatcctgttt	120
atacactctg	agaaaaactt	aatctggagc	cagagtagcc	tacacagttc	tctttgactt	180
ttcttggtcc	ctttgctctg	taattcagtg	accttgtagg	cccagtctct	cttctacaca	240
ctagaatagc	cataggcaag	gtctctgagg	tctcagaaca	cttcaactcc	ctcagctgac	300
tgtacccact	atggaacaac	ctcagactga	gaacccagcc	cctagtaagg	ccactagtgc	360
agaaactgnt	gaatttttaa	aacctatgag	ccctgtcttg	accananaag	catcctcagg	420
acaaggatgg	tgcaaatgct	gatggagcag	ctggagaaca	ggagccagga	gaccaaactt	480
tg						482

<210> 1619  
 <211> 322  
 <212> DNA  
 <213> Mus musculus

<400> 1619						
gttctgggtg	ctactgccaa	atgttctggt	acttaagtgt	cgagacgccc	agcctcacca	60
ccgacttagc	actgcagcag	cctgtactct	gcaactggcc	atagacgagc	caccaggcct	120
ctagagtcgt	ctcagcaccc	tctcaaggtc	acctgactgg	agcactgccg	acgacgtgct	180
cttggtcaca	tccctgtata	gttctctggg	aaagctataa	atatatatat	tttggttatt	240
gttttgngtt	ttccgttaca	ttttatatct	tgnattttatc	gcccgatatg	ttttgtactt	300
tttgttttcc	taaaaaaaaa	aa				322

<210> 1620  
 <211> 234  
 <212> DNA  
 <213> Mus musculus

<400> 1620						
ggggtagagg	tcgcgcaaaa	cnnncnnttt	gnngaccctc	accatggngg	cgggctgttn	60
actggagaag	cgaggtgttt	ctcaacagca	agctgcntat	tgggggcnaa	gagcntgttt	120
ttcccaaant	tatttttatg	ggacccaann	gggcggngga	attttttccc	ccatccccca	180
tcnaaagaaa	cacccttgga	agntcnttgc	cttttaaaaa	aattcccccc	taat	234

<210> 1621  
 <211> 438  
 <212> DNA  
 <213> Mus musculus

<400> 1621  
 cagactgagg cactgaaagt cgccagcaaa caccatcaga ttgtgcattt ggatctgagg 60  
 agcaggcacc tggactcact caaggcaatt gtttttagag agtataatca gacctgtgaa 120  
 aattacagct ccacaacgtc tctgnaggaa gcgagccttt ctatgtgttt ggattcaaag 180  
 atcactcacg aaaacacaga agaaaaagng aggggtccacc gagtcactca agagaccttt 240  
 gggacctacc ctacagccaca gntagagtgc gcacagtnta agctggaaac caagttcaag 300  
 agtaacatag gggggggcct cttggccgac aggaaagagc ccttccggcg ccttgtaaag 360  
 tntctcagtc cacatctttt ggaagccttg aaaaccttaa ctccccccga aatgcanann 420  
 cccacttttt ttcttggt 438

<210> 1622  
 <211> 256  
 <212> DNA  
 <213> Mus musculus

<400> 1622  
 aaaccaagtt ccaggagctg nggaagctca tcgacnccat gcccggnatc cacgtgagcc 60  
 ccgagcagca gcagcagcan ctcnacagnc tccgnaagca agtgaggacc atataacgag 120  
 ctgctgcaga agtacaatga gcctntgcat gttttgagat cccaaggac taggccagcc 180  
 cccaggagag ccgcccgtca gacggaaagc atnacgcggn gctccanctt cttgggagcc 240  
 ccagctcaaa actgtg 256

<210> 1623  
 <211> 159  
 <212> DNA  
 <213> Mus musculus

<400> 1623  
 ttctcactgg gagagctgna gggtcacctg ncatatgacc tgaacccggc cagngcngga 60  
 atganaagga ctctacccag cacctcctcg cagtngggag caanacgnca caatgttagg 120  
 tctcgatgga agaggacagt ggacaccgag ccccggcgg 159

<210> 1624  
 <211> 132  
 <212> DNA  
 <213> Mus musculus

<400> 1624  
 gaggaactgg gagggggagg caggagggcc aaaagttcaa gaccaccttg gctacataga 60  
 gaatttaag cctgcctggc ctacatgaga ccttgtctca aaaaaattaa agatttaatt 120  
 ataaaaaaaa aa 132

<210> 1625  
 <211> 341  
 <212> DNA  
 <213> Mus musculus

<400> 1625  
 cactgagact ctacaggatg atgntntgaa aaacatnttc nnaactacat gccagnctgc 60  
 tttgttncct tcttntacc tggctctcaa atggaaanan tccggnacga atncctcagn 120  
 nggganaccg nagtcttttt cactctggga tcacccacgn gcagcatctt ccgtgtntgc 180  
 tgaanacat ttnncttttg gacaaccatt cgagccacca atgtgggnt ctgttgtagg 240  
 acacatcctg taaatgctat cacatttgct accagagaaa ttctctgcag attccaaagg 300



ttgagggagg acaaaagcta gaactgtaat gaaagcggtt t

341

<210> 1626  
<211> 342  
<212> DNA  
<213> Mus musculus

<400> 1626  
aactgaggcc aatctggaaa agaaacactc tacatgatga ccgtaagnac antntccatt 60  
acgtnacctt tctaaccacac tcngaaagca cgccaagcca cctangcggg gccacatat 120  
gantcacctn aacataactgc ttgaaggccg gaatccttac ttcagtaccc tncagntggn 180  
gggagangag ggggtacagga atctgggttct tggggccagtc cactcgaagt gtgcttttct 240  
gtcattgatc tcattctttgn catgtgatat ccacntgan ncctttntag nngaagcnnn 300  
nngcncaaan gctcaaagaa cactggaata aagcttcgat tg 342

<210> 1627  
<211> 352  
<212> DNA  
<213> Mus musculus

<400> 1627  
gaggatccca tctgccatgt tnnaggtctg cctnccactg actgactaga tctctanccc 60  
ctatatattggn acctgtcgng atgctgcaag atgaccctgg ngngaaatn natgccanaa 120  
tctgnggacc aaggggaaca caagccccag tgatgaagac agcaggtaac acctgacaga 180  
tgtgtgttct accattatgg tgcatacgtg gctccaacca caagaaatgc agacaacagt 240  
ggagatcagg gcaaggccat tgtgacatgg aacaggaccg ctgtgctggt ctcttcaggg 300  
ttaggaaaac tgaactgntg ggatgctnct gacanggtac ccaatttccc ct 352

<210> 1628  
<211> 685  
<212> DNA  
<213> Mus musculus

<400> 1628  
caccagccag gggcctccat gggagcttaa gggccaggca gcagggctgc gggcacgagc 60  
atggtgagac accagcccct gcaatactac gagccccaac tgtgcctctc atgcctcaca 120  
ggcatctatg gctgccgctg gaagcgctac caacgctcgc acgatgacac cagcccggtg 180  
cctctacaac cgcattgggt actggagtga ctgggtccgtg cccatcctgg tgacctcggc 240  
tgctgctttc acatacatcg caggcctcct ggtcctggca ctatgtcaca tcgctgtggg 300  
gcagcagttg aacctgcact ggatacacia gatggggctg gtggtcatcc tggcctccac 360  
ggtggtggcc atgtctgcag tggcccagct ctgggaggat gagggtggag tgctgctgat 420  
ttccttgacg ggcacggcac cattcctgcc tcacacccaa ctgtccagca ggcctctggg 480  
gcagaagaag ccttgaggac caggtgaacg acagactgat ctgacctcan gttcccacag 540  
cagcggccac aagggcaatg ggccacctgg gcgaacacat tgggctcagt caagcatggg 600  
ccttttgccc aaaagggttg ctacagtaga aaggaaccca aggggcaaag acaattaaaa 660  
gctgccattt tttgaaaaaa aaaaa 685

<210> 1629  
<211> 323  
<212> DNA  
<213> Mus musculus

<400> 1629  
gactgagggc aggtaaagat gngagtgaga cacacgagca cctgccagta gcctgcacgc 60  
gggatgcagg cgtgggatgc aggcgcccac tggcaggcgt tggttgggtcc aagggttgca 120  
gctctccgtc tgcccatgct tggagagatc cgttggttct gctcctactc aaagcacaca 180  
gaaggaaacg ctggcacatc ggttctagaa taaattacca ccctgtggaa agaccaagcc 240  
gcttcctggt ggaggacccc caaatgatgg gagacagttt tctgttaaaa gaacagtaaa 300

gccattctat atacaaaaaa aaa

323

<210> 1630  
<211> 202  
<212> DNA  
<213> Mus musculus

<400> 1630  
ccgcccagcc tgcctnctat tagggacgtg tcccgggaaca ctcttaggga gtggtgtngg 60  
catcataact tgagtacgga tggctagaaa gttgaggtct atttgagact tcggagacac 120  
tcctattnta aacaagantg ntatatccc natacatctc gggaggccag aatgannnag 180  
ggtcccaaga aatccaagat ag 202

<210> 1631  
<211> 303  
<212> DNA  
<213> Mus musculus

<400> 1631  
tgagagtacc tgatacatc cctggggctg accccatctg atcgcgctga atttcatcat 60  
cacctctttt ggcnnngcna gcgcaaggtc ttctccgaaa gtgaagggtga cagacaccga 120  
cttcgatggg gtagaagtcc cgagtatttg aaggttctcc gaaaccagaa gagccgctgc 180  
gacgcagcgt catctatatc cacggaggag gctggggcct ggctagtgc aatancagct 240  
actatnacca gctnntcaca acaatggctg angagctgaa ctccgtnctc ctttctattg 300  
aat 303

<210> 1632  
<211> 312  
<212> DNA  
<213> Mus musculus

<400> 1632  
agcctccccg tcgtcctatg gattggcagc ttggtgctgg ggctgcttgc actggtcttc 60  
cttgccctacc gcctgtggaa atgctaccgg ccaggctctc gccagacac tagctcatgt 120  
acacacctat gaagctccat tatgccagac taaaggaggc agagagtgc cagctgcagg 180  
atttggggca tcaagatgat agtgtggcct ctttccttgg tggtcagcac atctataagt 240  
ttctcctgac ttctgggctt ttctgcctgc tggcccagag ctaaataaaa gcccgtatc 300  
taaaaaaaaa aa 312

<210> 1633  
<211> 117  
<212> DNA  
<213> Mus musculus

<400> 1633  
actgaggttg agggaagctg aggagtgacc tgggaccttg cctatgatgg acaaaaccgn 60  
tgagctccat acctaaccct tttaaaataa aattggatat tgccgagaaa aaaaaaa 117

<210> 1634  
<211> 452  
<212> DNA  
<213> Mus musculus

<400> 1634  
tcttgacgga actctncang gcnggacagg aggcattggct gggcccatat ntntactgcc 60  
ncgaatcgat gaantnganc tcggnacccg gggatcgaag atcctatncg gaaggnccta 120  
ttctntagaa agtataggga ctccggcctg nggcnnngnc tcngcnnent natgcttact 180  
nactggacca tacngnncat catcttcctt gaacaacgac tctgnagnnt gggccggggc 240

tntggacnng	acagagcgta	ctaaacgaga	gtacttcgct	tgggtctactg	cttcgtaaga	300
gtttttcttc	ttctggctac	acaaataaga	ggaagtggag	aaactcacag	gagggcttgc	360
ttttacagaa	aatctgntta	acctgctaag	cagcctgcag	aaggncagag	gcagntncat	420
ttttagactt	cgccctctta	acttttctct	ag			452

<210> 1635  
 <211> 392  
 <212> DNA  
 <213> Mus musculus

<400> 1635						
tgagctggtt	cgatgcccag	acctgaatgc	tgtgctccag	ctgtggcctc	accggtgctg	60
aatagagagg	aagagccacc	ttcatagctt	acatgagntg	gctntggntn	tacaacctat	120
gntggantnt	acctnagtnn	gactggatga	nacnanntnc	ncgcatntan	atnntnatcc	180
nncanntgag	gnctcgggnc	ttntctctga	ttgctanang	acacaccctc	aatcctacca	240
atctaagtct	cccgcctttg	tttgccctgcc	ctcctccctt	agactcctca	tgcatctcatg	300
cacaatgaat	gtcatctttt	tattctctga	ttccctttta	ctttaatctc	aaactcttga	360
caagactttt	actctgtcct	ataaaaaaaaa	aa			392

<210> 1636  
 <211> 153  
 <212> DNA  
 <213> Mus musculus

<400> 1636						
gtcccccaat	gacccggtan	caaaaagaag	acatanaaaa	cacnctgntn	tggccnatgg	60
nctcaacntc	acnnnctggg	ggacaggctg	cccattctcgt	tgataaattg	actatgccaa	120
taaattaaca	tggttcactt	tcaaaaaaaaa	aaa			153

<210> 1637  
 <211> 331  
 <212> DNA  
 <213> Mus musculus

<400> 1637						
ggatgttctg	atttcctgat	tgcctcanac	gtaccnaatc	ntnatntaaa	ccaagggtcat	60
gacatgttgc	caccgcacac	gtgtncattt	tcaggattat	caagtgaatt	catgntncnn	120
nccacantca	cctcttcact	cnctgaatag	aaggacttgt	aaagtaaaat	agcccatgag	180
agagaatgca	catatgggag	aacagangtt	ggggccctat	nagaagtgt	ggcacctgca	240
cctgacctgt	gagagtnact	gttcacagggt	tagctntgag	acatcactca	ttggcttggt	300
ttggaattct	tactctaaat	gattcatttg	a			331

<210> 1638  
 <211> 196  
 <212> DNA  
 <213> Mus musculus

<400> 1638						
cctcctggac	ctggaattct	aaaggctgga	agctgntggc	natggatgcn	agccctgtga	60
acnanngtcc	tntgcatgan	ngntccacac	tcctaactgg	tgagccatcc	ttncctgcc	120
naaagaaaga	acntaaantc	ntntctccat	ccctgacttc	aagctgttct	acagagcant	180
agtgataaaa	aaaaaa					196

<210> 1639  
 <211> 101  
 <212> DNA  
 <213> Mus musculus

<400> 1639  
 ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttcgtataat 60  
 gtatgctata cgaagntatt aggnccctcg aaaaaaaaaa a 101

<210> 1640  
 <211> 541  
 <212> DNA  
 <213> Mus musculus

<400> 1640  
 gtgaaaaaga agggtcagac atatatgaag aaaacctgca ctacccactt ctgcttattt 60  
 taaccaaaac gggatagaag aaaacatcag atgcagagaa agatttccac actatatgag 120  
 aactccgcca cagcgctctt gggactcagg gctccaccca ctttcgaaca ttccgcatct 180  
 tgggactccg cccagcccat tactccggcc ctccggcagct ctcccaccct ccgcagcgcg 240  
 ctgcctccca ccagtccttt ttaaggaagc ttgttgctct tccgtaccaa acctttgtgt 300  
 gtttttctgt gtcagcagcc tgtcttagat cagaatttga cttgtggagc aatctaaata 360  
 gttttctctc taaagcaciaa tttcttttga tgatttccac ctgccgcccc cctcctttt 420  
 ttttaattgc ctttggttct gtttggtaat agtattcttt atccacaaac acagaaagca 480  
 tcacccttct tttctggata aataaaciaa ccttattttt ctgatatctc aaaaaaaaaa 540  
 a 541

<210> 1641  
 <211> 291  
 <212> DNA  
 <213> Mus musculus

<400> 1641  
 ctttgaatcc ctttgggaacc tangaagcnc tnttgaagag atcctagcag ccagaggaga 60  
 ggaggtacgc cgagtgtctg gtgacgggtgc cctggaactg attctggagg ctgctgtacc 120  
 ccctgacacc ccagaagggg atgaggatcc ccccaaccct ggcaagatgg gacagagctg 180  
 atctgcatac tcctacagct gcagactcca gtcttcccaa aagtcgctcc cttcacttgg 240  
 agcctcaciaa gcctgctgct gttccttgtc agtaaaaaac catcacctcc a 291

<210> 1642  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 1642  
 ttcaagctcg ccttgctaaa cttcgaacna gaacncatca ctctaaagg tcccagcggc 60  
 aagggggcca ccaaaaangt cngtacnccc atgtactatg tgt 103

<210> 1643  
 <211> 502  
 <212> DNA  
 <213> Mus musculus

<400> 1643  
 aaggggagat ggccctgaag atgatgaagc tggtgaccaaa gcaggagtag ctgagctggc 60  
 tggccctgga ggcgctaaga gcagagccca ggatgcaggc gctaattgtct atccctggtg 120  
 ctcttctccc ccgctctgcc atgggatatg actctgggag cacctgctct ctcccgtagc 180  
 aaaagactgt ggccttctgt gtctacttag aaatcagttc tgcttcccaa agagtattta 240  
 aaaccagact catttaataa aagtgaaggg ttgcaatcga ttggtctctt actacaaaag 300  
 cagttgatag cacatgtaaa tcccagcact tgagaggtag aagaagcaag aggatggatg 360  
 agaggttcaa acgcatccgc agctacgtcg aaagttcaaa agcagcctat gccaaacagg 420  
 gagagtcctt gtccccaccc ccacccccaa aaaagagcaa aagcaaacca catgatttat 480  
 aggcaaaagc agtgggaaag ac 502

<210> 1644  
 <211> 191  
 <212> DNA  
 <213> Mus musculus

<400> 1644  
 gaatattcct agcataaatt tatatttcca acatcaattc gggtcattgc ctctggtagg 60  
 acgcacnath atantctcaa canaaaaggc agcgcattcan tacacacana ctcaaacttg 120  
 ctctgctcatt tactcatcgt tgccacanac tacctactaa canttatntt ttgacatgga 180  
 cactgcttta t 191

<210> 1645  
 <211> 193  
 <212> DNA  
 <213> Mus musculus

<400> 1645  
 gttgctcctt gcaatcgtct tgctctcttg gggattcgtc atctatgcat cgactgtagc 60  
 tgcacgacga caactacaga aggagtttcc agacaagttc ttctgaacga acttttgtaa 120  
 ttcttagcaa acacttcttt tcttcagatg gcacctatgt agactcaaag taaaattcac 180  
 aatacaaaaa aaa 193

<210> 1646  
 <211> 239  
 <212> DNA  
 <213> Mus musculus

<400> 1646  
 ttaagcaccg gggccctggg aaaagatgtg gccgccatga ggcttggtat ccccatattgc 60  
 aaccagagc caagggttcc tccctgttat ggttgctggg cgattctgag gcactcctcc 120  
 acactccttt gtggcaccaa tcattgacgt gtgacccaac caagaagaat ccacgtggcc 180  
 ttgtacttta tctcactgc ttaagggtgcc cagaataaaa gctaaccctt tcttcttca 239

<210> 1647  
 <211> 425  
 <212> DNA  
 <213> Mus musculus

<400> 1647  
 gggatgagca gctggccagg tctgctgaag cctgggccac ccagtgcac tggacccatg 60  
 gaccctcaca gctgatgaag tacgtgggcc agaacctctc tatccattcc ggccgggttcc 120  
 gttctgtggt agaccttgtg aggtcttggg ctgaggagaa gcgccattac tcattcccgg 180  
 ctccaaagga ttgcacccca cactgccctt ggctctgcag tggctcctgtc tgctcccact 240  
 atacccagat ggtgtgggca tctccagtc ggctgggctg tgccattaac acctgtagca 300  
 gcatcaatgt gtggggcaac acctggcagc aggtgtgtcta cctgggtctgc aactacgcca 360  
 ttaaggggcan ctggatcgga gaggcaccct acaaggccgg gaagccatgt tctgcctgtc 420  
 ttcca 425

<210> 1648  
 <211> 273  
 <212> DNA  
 <213> Mus musculus

<400> 1648  
 atccttgaac ttcagantct nctagntntc cntcccaagt gcangcaggg atcacagaca 60  
 ctgatccatt gcacccagct tacagggaag aatgggtggc gagtctggcn tgactgcctt 120  
 aatgaaatg atagaantgt ntcttttcan atnnttnctn tntgtgnatt aaangtgtgt 180  
 gtctactctg cttncagctg aaaggctcct gagacagncc aaagacacac cctgtagatc 240

gcctaagggc tggctccagg taccaagaat ggg

273

<210> 1649  
<211> 264  
<212> DNA  
<213> Mus musculus

<400> 1649

cttccgtcag	agaataagca	cgtgtaccct	aggaactaca	tagtgaataa	gagatgtact	60
gcccacctgt	aagccgcact	acttatgtac	tgtagcaaaa	taatgaagat	tgactgaacc	120
tgtctaaaaa	tctaaggaat	gtacccataa	aagtcacaa	gaggtgttan	ntgngnnatg	180
tgtgnnttgg	gagcctctgc	catttgtcag	actgcacagc	aagccaaatg	tanaatggac	240
gaagtagtaa	agctcttgtc	acca				264

<210> 1650  
<211> 460  
<212> DNA  
<213> Mus musculus

<400> 1650

catctctact	gttagagact	caggccagga	aacgtctcta	cttccccatc	ttctacacct	60
accccaaatg	gcaaccacaa	gtccaatgtg	atcaggaaga	aacagggtcca	cctcgaattg	120
gctgtttacca	tatctcaaca	gaaaacacgg	agaattcgaa	attcgacggg	attaaaggac	180
gcgtgaaagg	tttgagagaa	gagagatgcc	gctattgaat	ctgctggagt	tttacatccc	240
aagatgaaga	cagcattcag	aattgatgtg	atttccttga	atgtggctta	ggaaatgtgg	300
acacttaaaa	ctctcacttg	aaattgggca	caggtttgat	gtagagataa	ggacgggggtg	360
cggaatggag	accatttttg	tcattgattc	atctgaccga	taaggccata	gtgcanttag	420
gtgatattcg	aaagcttctt	tgatgctctt	tatgtatatg			460

<210> 1651  
<211> 399  
<212> DNA  
<213> Mus musculus

<400> 1651

cttctaacat	ccgtgtttga	caatagcatc	aagacctttg	gagtaattga	gagtgaccog	60
tttgactggg	agaagagtgg	aactgatggc	tccctgacaa	ccaccaccac	ctctgccacc	120
cctcagctgc	acaccgcct	gaccctgct	gctatcgga	ttgcaaatgc	cacccccatc	180
ccaggagact	tgcttcgaga	aaatacagat	gaagtgtttc	cagatgaaca	gcttagtgat	240
ggggagaaatg	gaatccctgt	tggtgtatca	ccagataaat	tgcttgatc	tctggggcac	300
ccacgccctc	aggaaaagga	tgtctgggaa	gagatggata	tcaacaagaa	caagataaag	360
ctgggaattt	gcaaagtgtg	tatttcttaa	aaaaaaaa			399

<210> 1652  
<211> 207  
<212> DNA  
<213> Mus musculus

<400> 1652

tcgatcagcg	gtggaccgna	gagggagcat	ncttcgcata	agangtctac	cgtgcacatt	60
ctggaanaga	naatttttgaa	cttcatgggt	accaaacgaa	caannccaag	actgatgagt	120
tgacctactt	ctaagcngca	aattctaaag	tgatctgatt	ccgttcatta	gagatttagc	180
catgaataaa	gaagcattct	tcaaata				207

<210> 1653  
<211> 310  
<212> DNA  
<213> Mus musculus

<400> 1653  
gttctatcag aaatacttga gctgtgctga gggggcagga agaggaaagt tccagccaat 60  
gaagagtcac gagagggaat gtgcctttgc ttcgcgttcc ggagaccctc tgacttgctt 120  
gcctagtccc tacaaccgct gagttgataa ttctgtccgg gagagcttct ctgcaggggc 180  
tgctgggtaa tgcttgtgac ctcatttcct ggttggaagc tgaactctga agggcttggc 240  
agttctgttt ttttcttttt ttcttttttc tcctacaata aatttctctg tgatctccat 300  
aaaaaaaaa 310

<210> 1654  
<211> 554  
<212> DNA  
<213> Mus musculus

<400> 1654  
gatgtgctat gaacaatttc ctcgagtcctc tgcggctgtg acttccctgc tatgctggac 60  
tataacatgg aactaggagc agagaggaac cctgcggtca cttcctcttc tacattgctt 120  
ttgtcaagta ttttatcaca tcaatctgaa acttaatttc taaacagaga atgtcatgat 180  
gttgtaagtt tatagatgtt ttatggatag gcctagttaa tagtgctgaa atgtaagttc 240  
tgtgtgatcg ttgggtgtgt ccaacatccc accagtagcc ttgggaggag cccaagtggc 300  
cgcacaattg aacaagccaa agcccaagac aatgtatcct gctacaatga aagccttgtg 360  
ctactttaga aacctgattg ccagcaacat tgtatccagc ctatcacaca tgcaatgaaa 420  
tggttaactct ttgttctgtc agagctaaat cactatttgg gcaaattcat ctccttgggtg 480  
ngctcagcat tacagaataa tataatatct gagtaggaaa gtaggatnan ngaaatgggc 540  
tttttccttg agcc 554

<210> 1655  
<211> 286  
<212> DNA  
<213> Mus musculus

<400> 1655  
gagtgtgat cccagccggg agtatctcat cccatcagct acactaagcc cacagcaaga 60  
tgcaggatta taaagctact ggaaacagca tagagacaac ctggaagagt gccctgctcc 120  
acacagccct aaagggccca ggggagcact ggacacactg tcaatgaagc atccgtcctg 180  
tcctttcttc tctgtttccc tgccctttcc actcttctgg acccagcctc tgaagactgt 240  
catgtcctgc acaattaaaa tcttgttgcc accctaaaaa aaaaaa 286

<210> 1656  
<211> 421  
<212> DNA  
<213> Mus musculus

<400> 1656  
aactgaagca gaaagaagtg tatgtctacn gtctctggac caaaggcctc anagaaatct 60  
gacctgggct tctgagaagg ggaccacaga gatactgttc tctaccagga tggttgcaat 120  
ctccccttcc agatcaccga ttctccctaa gacacgcaca aaatgnccat ttggatacac 180  
tgatgttgcc tcccaggagt caatgcgcac aaccaccctg aaatcctgca caaagggaaa 240  
aatacaaagt caaccaaggc tggagttaaa tggcccaatc tgaagcatca gactaaccag 300  
atgaacagag cagagcacac acaggccgac ctgcaaacgg cggcttgcag aggcttactc 360  
tgctctctgg ntgctgggtc tggcaatttt taaaatggcc ggttggtttg caagccactg 420  
g 421

<210> 1657  
<211> 485  
<212> DNA  
<213> Mus musculus

<400> 1657



gattcgcttc	ccctgaagt	aatcggatt	ttgtatataa	ggaatttgcc	atacaaaatc	60
acagcagaag	aatgtatga	tatatttggg	aatatggac	ctattcgtca	aatcagagta	120
gggaatacac	ctgaaaccag	aggaacagcc	tatgtggtct	atgaggacat	ctttgatgct	180
aagaatgcct	gcgaccacct	atcaggattc	aacgtttgta	acagatacct	tgtgggtttg	240
tattacaatg	ctaaccgggc	atttcagaag	atggacacca	agaagaagga	ggagcagctt	300
gaacttctca	agggaaaagt	atgggcattc	aaccccagat	ccttccaag	gtggaatgga	360
caggccacgc	cgtnggnccc	ttgggttacc	ctgggnnctt	ctttcttctt	ttcctttttt	420
tnaatttagg	tancctggga	ataatttggg	ggaaatttnc	ctttaatttt	tggggggaaa	480
ccttt						485

<210> 1658  
 <211> 400  
 <212> DNA  
 <213> Mus musculus

<400> 1658						
ataccaagaa	tttctaacca	aagtattaat	caggctcctg	ttgcaagatt	accagttgct	60
gcccacagaa	gagccattgt	ccacagagga	tcctgatgcg	aaggtttacc	aagtagatac	120
caatggtgaa	agccagccac	accccagaat	ggacaacacc	cctagacagc	aggaagcagc	180
ttaagagaca	cgccaccctc	attccctttt	caccaccagc	tttccctca	tttcttcccc	240
ttctctttat	aataacaaga	agggaggtat	gttggtatca	ggacctctga	aacctgtgac	300
atcacatagg	caacaatgtg	acctacacac	ttgttgccaa	gacaatggcc	accatattcc	360
cagcatccac	tggactcacc	ttccaccttt	atctttacct			400

<210> 1659  
 <211> 310  
 <212> DNA  
 <213> Mus musculus

<400> 1659						
ggaccgtggc	taggctccat	tcctgtttgc	tcctttctca	ggattccttc	aagggtcacc	60
tctggctggt	acaaagtagc	tggagggaca	aataagaaaa	cccaacaata	gggcaaggtc	120
acaaagtttc	taaatgaaac	tgtacagaga	gatgaaagat	ttgggccttg	aaataggcgg	180
tttgtatccc	ttctccaagt	agagccctgg	aggcattttg	gaggcctggg	gtgtaactta	240
cagcacatag	cttttttggt	tctggagaca	acctgtcaat	aaaagctggt	ttccctggta	300
aaaaaaaaaa						310

<210> 1660  
 <211> 260  
 <212> DNA  
 <213> Mus musculus

<400> 1660						
ggaaatatgc	tggctagctg	gtgggagact	ctgcagttga	ccttgaattc	ccttgacctc	60
ccgtgtccag	acaaagattt	cccactccat	gctactgctg	aagtctccga	ccaatgaagc	120
agacgagggg	gaaccaatcc	cactcccacc	cattcttctg	cagccaacag	ctggattgat	180
ctccaaacaa	gtcggaagag	atgcgtaatt	gaattaaaa	cataataaat	tgaagccaac	240
tcgttcgatt	aaaaaaaaaa					260

<210> 1661  
 <211> 104  
 <212> DNA  
 <213> Mus musculus

<400> 1661						
tatggcattt	gcctcgnttn	canggggttc	caagcagtga	gatcacgcag	ttagctgggt	60
tataccttct	tntctttctc	cctntgtccc	atctgagcca	gccca		104

<210> 1662  
 <211> 434  
 <212> DNA  
 <213> Mus musculus

<400> 1662  
 agggctatga tgaatcaaaa acctaagtcc ctggctccta ctcagacaat cctcagcaat 60  
 tccgacatca acaaaagcaa gcaggaagca aattttaga cctcttcagt ttgctgagc 120  
 tgtgttggtt atctccagat gttttctgta ctattctcag aggcataatt gcagtagata 180  
 ggccagtgtt taagagcagc aggccagcaa caaagcaatg gtatcctaag tgggatctgt 240  
 gctcttggtt gagctgcccc agcctctcag ccgcacacgg ggagtctact agtttgggca 300  
 gcgaagacac atatctgggt gcgcttcaat tactggcaaa cagtgatctg ggacttcagc 360  
 ctnaaacaga aaccnancgg ttaatngtga tctagtggga gcctgcaggg gtttcttaag 420  
 aggaagtact taat 434

<210> 1663  
 <211> 361  
 <212> DNA  
 <213> Mus musculus

<400> 1663  
 gcgtgcgcca tcgtgctgga gtgaagtccg aaaagacaag aactgaagcc aagaagagca 60  
 cgaaattgaa atgttggttt aatcctgggg ttatccggaa ttgggtgacc ttgagcgaat 120  
 tattcaacct ctgagtactc cgtgtccaca tatcgcagga gctatgtatt tgtcttggtg 180  
 ttgttcttgt ttaaatgggt ttccccatt taactcgcaa actaaccac cgaggtagac 240  
 tctgggaatg gaaagataag ctgagttcag gatttatctg gtctcctttt aagtcctttc 300  
 attacttact gtgccacctc gtctaaatta aattcattgc tccacctgcc tcatgcaaaa 360  
 c 361

<210> 1664  
 <211> 348  
 <212> DNA  
 <213> Mus musculus

<400> 1664  
 aggacaaatg cacggtatga agcctgacct acaccgnana agagaaantc ctannntcctg 60  
 tgtgcccacc cccgaagtgc cctgagcctt gtcctcnngc aaagtgcctt gagccttgct 120  
 ctccccagct atgctgtgag cattgtntctn ntnnaaagtg ccctgagcct tgtntctnccc 180  
 cagtatgctg tgagccttgt cctccccagc ngngctgnga gccatgcccc cctcagccat 240  
 ggcagccaaa atgccctcct gtgcaatttc caccatgcca gcagaagtgt tcanccaaga 300  
 ataaatgagg gtttcccagc catcaggact gggaagtaag agaaatct 348

<210> 1665  
 <211> 255  
 <212> DNA  
 <213> Mus musculus

<400> 1665  
 agcaagttgc tggagaaacc canctctctg catgcctctg acgcaaactc tgcccccaga 60  
 gcagacgcct gaaaatgaaa accaggaatg aaacagggcc aggattacac aaatcttcct 120  
 aaaagagaca aactcttagg tacttttgaa cttatctatt tggtttattg ttgatgcttt 180  
 gctttctgag acagtcttat caggtccagg ctggccctga actagctctg tgctggagac 240  
 gacctcacc tgatt 255

<210> 1666  
 <211> 148  
 <212> DNA  
 <213> Mus musculus

<400> 1666  
agagtatctt gggaggccaa cncaaaggt ctttnggatt aacncaccac annngcacan 60  
tgtgagganc ggcntgcnaa cgcttacggc tatgcaaggc acagatcttt cccagcatgg 120  
gaaagatcct nctccctct ctctctct 148

<210> 1667  
<211> 317  
<212> DNA  
<213> Mus musculus

<400> 1667  
ggaaacagag ggctactcag gctccgacat taagctgggc tgcagggagg cagccatgcg 60  
gcctgtgcga aagatcttca gtgtgcttga aaacaaccag tcagagagca acaatttacc 120  
tgggatccag ctggacactg tgaccacaca ggactttctg gatgttttgg ctcacaccaa 180  
gccttcagca aagaatctga ccgagagata cttggcctgg caagagaagt ttgagtctgt 240  
ataaagctgt gccagcctg acctggccag aggagccga gagcctcccc agcgtgactg 300  
ggatggaagg gaggaag 317

<210> 1668  
<211> 357  
<212> DNA  
<213> Mus musculus

<400> 1668  
gtctccgctt catttgtcca aacctgcac aagccaaggc cttggaggga acaaattgacg 60  
gttctgagga gtttcctgga aggcttaatc ataggaggca aagggtgggga aaagccacag 120  
tggcagttag gcctccgagg ctcaaacag tgcggagcct ataactctcc aggcctgaag 180  
gggcagaggg agggggagct ttgtggagta agagatcacc tanaaagaag gttgtagggtg 240  
gagccagggga ctttggagag aagctgggtg agccacaggg ctttaaggagc atcaacaccc 300  
cccattcccc actgtcgtcc ttctcggagc accaccatgt aaccaggaac accctgg 357

<210> 1669  
<211> 170  
<212> DNA  
<213> Mus musculus

<400> 1669  
gaatgaagac accggaggaa tatatcaaac cttgctgtgc caaggccccg tggaactcac 60  
aagggggaag aaaaggaaca aaagnntat nncnnnatnc aatnggntat cnganaaat 120  
tantcattgg agatattcac ggaagacatc ccangctgtg acagtgtatg 170

<210> 1670  
<211> 160  
<212> DNA  
<213> Mus musculus

<400> 1670  
gaagaagagg aagaactang tggtaagagc ggctccagc ttggaactac cttactagaa 60  
ttggaaggct gagctcgagt ctcagagat caagtccagc cagagtcttc agagatcaag 120  
tccagccaga gtcttcagag atcaagtccc agagtcttca 160

<210> 1671  
<211> 685  
<212> DNA  
<213> Mus musculus

<400> 1671  
gtaaggaact gccaatcacg tgaccgtgag caggcagtgg catcatcata actcgcggag 60

ggacatccgc	cttgatcctg	gcatattttg	cttattat	ttactttaag	agaaagtgtg	120
agtgagcagg	ggtcagttca	gtgttttagt	ggttactttc	acaacccccca	aggcttgatg	180
ctgaatgggc	ttgaagattt	tgtacatacg	tgtgtgcaca	tgcacacagt	gcagaaagcc	240
agtgttttta	tttgtgaggt	gtttttgtca	gtagttcaca	atatggagaa	taattcacag	300
agacttgata	gtaaagcttt	acaaagacta	aacctaactg	aaacagaagg	gtgttcatat	360
tgctctgact	tcatactttg	gagcaagctc	ggccaatggg	ataatgactc	ttacctgaga	420
ttccttttaa	ttcgctcagt	gatcacttgg	ataccctctg	aaatgagaaa	atgcagtttc	480
ccacctgcca	atcacacctt	cangctgtgg	gttttttgnt	ttggttttat	tgnggttaaa	540
aacgctatat	aacaccacat	gtgtgtgctg	ntatgtagtc	atatgtgggt	acgtgtgggt	600
gcttcacaat	gnacatgcat	cgtgggnaat	ttgccgttgg	ttttccctct	tagctgggtat	660
accacaatgc	ttggaaaaaa	aaaaa				685

<210> 1672  
 <211> 257  
 <212> DNA  
 <213> Mus musculus

<400> 1672						
atgccagggg	agcagatgaa	ctgtcccttc	aaattggaga	caccgtgcac	atcctagaaa	60
cttatgaagg	taagtgaggc	ttgatggctc	cctgttgggg	atttgggatg	acgcttcagg	120
gtcttctcgg	gaaagtgcct	ctctgtcagg	gtgctacctt	ctcaggaagg	acactttccc	180
cacagataga	tgctcttcca	ggcaaagggt	gctcgggcag	ctatttggtt	aattcagttg	240
aggcttttaa	aaaaaaa					257

<210> 1673  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 1673						
gtacagggtca	agttcttggg	gcccacttct	gagtttagaa	gacctattac	caaaagtgaa	60
gaactagact	gtgggaaaaat	aatgggcttt	tgactacaaa	aaaaaaa		107

<210> 1674  
 <211> 398  
 <212> DNA  
 <213> Mus musculus

<400> 1674						
acatgctggg	gtctatacag	ctgaagaagt	ggctcttatt	atgagagaaa	agctaattcg	60
tttgcagtct	ttgtacattg	atcagtttaa	aagactccaa	cacctgctca	aagagaagaa	120
gcgccgctat	ttacacaacc	ggaaagtgga	gcacgaggct	ttaggtagta	gtctcctgac	180
tggccctgag	ggactttttg	ccaaagagag	agagaattta	aagcgactaa	aatgtcttag	240
gcgataccgt	caacgctatg	gagtagaagc	cttactacac	aggcagctga	aggaacgcag	300
aatgctggcc	accgatgggg	ctgctcaaca	ggctcacacc	actcgntcca	gtcagaaggg	360
cttaaccctt	ggggatgang	tnccctgtcc	aatcagct			398

<210> 1675  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 1675						
taaatacaat	gccacaataa	tgactctgga	gcangttaag	aatgcagcag	taacagggag	60
acttgatcat	gttctctgga	atagtctaaa	ggaatgctct	tgaacaacag	gaattata	118

<210> 1676  
 <211> 193

<212> DNA  
<213> Mus musculus

<400> 1676

ttgatgaagt	gccagccagt	tcgtcggctc	agtgaacctg	gggagttgag	gcgagaatat	60
gaagaggaga	taagcagggg	ggaggctgag	cgacaagcca	gcaaggaaga	ggaaaacaaa	120
gccagtgagg	agtacatcca	gagattgttg	gctgaggagg	aggaggagga	gaaaagacag	180
agagaaaaaa	aaa					193

<210> 1677  
<211> 710  
<212> DNA  
<213> Mus musculus

<400> 1677

atgttccgaa	attaacaaat	ataaaacttta	tccctggatc	catcagttta	gcaataatcg	60
gagatcagct	gatcagatcc	gacccattct	tttccctgat	gttgaccccc	acagtcttcc	120
tcctgggttct	aacttttcca	tgacagcagg	agactttcag	gagattttact	ctgaatgcaa	180
tgcttgggac	tgtattgcca	cctgnttctt	catagacaca	gctcacaatg	taattgatta	240
tattgatacg	atatggagaa	tactcaagcc	aggtggaatc	tggataaatc	ttgggtcctct	300
actataccat	tttgaaaatc	tggcnaatga	actgtctata	gaattgagct	atgaggatat	360
taaaaatggt	gttcttcagt	atggatttca	gctagagggtg	gagaaagaat	ctgtattgnc	420
aacatatact	gtgaatgatc	tctctatgat	gaaatactac	tatgagtgtg	aactgggtgt	480
ggncggaacc	acaataatgg	tcttaagtgc	tattaccag	aagaacattt	aataagagta	540
aatgatgaaa	tgacaactca	nagtcactat	cggtgaccac	aggacacaac	cttcaaatca	600
ntgggtgcct	tcttaatnct	aaccaattta	caaatagnng	ctattttctt	aatgangcna	660
ttgntttttt	cagaatatac	ttgccgggca	aatttatccc	acccagtata		710

<210> 1678  
<211> 345  
<212> DNA  
<213> Mus musculus

<400> 1678

aagcctagat	ttggaatcct	cactcgggtgg	cagtgggtggc	cctgggtcgtc	ttcatctcga	60
gagtctcatg	aacctgtggg	tctggttgctc	tcagctgact	gacctgggaa	tggctagaac	120
ggaacagcca	agcacgggca	tgtctgctgt	cctcacggca	gccctgttgc	atctggcagg	180
gctctagctc	tctccaaaca	tgactgctgc	cagcccagtg	ctgtggggatt	gtctatagcc	240
aagttttgta	gagccagtgg	catctgggtt	tgttgttggt	ttgggttttt	tgttttgttt	300
taatgtccta	ataaaacctt	aaaagcatgc	acatcaaaaa	aaaaa		345

<210> 1679  
<211> 194  
<212> DNA  
<213> Mus musculus

<400> 1679

gctggctcga	gtgtggaagn	ctgcctgccc	aaagaactgg	acgtgaaact	gntgactngc	60
atttgatgtt	tgctttgggc	ctgaantggg	gncannnatn	gagctcaccc	ccnnngagct	120
attgctgaac	aggtncactt	nccccacatn	gtaataactt	tcctttttcca	ctgcctctgc	180
tgggtgctgg	gcta					194

<210> 1680  
<211> 270  
<212> DNA  
<213> Mus musculus

<400> 1680

ctgtgctgat	gtccttgcaa	aggcaggaga	agtccatgtg	acactgtgca	gaggacaagg	60
tggaacgcct	gctgacaagc	ctcagagaga	gtggcacaac	agttggcaag	tagttgccat	120
ggcagccctg	ggaggggttca	ttttaagtga	tgtgtgtccc	tttagctgtg	aggctgtgcc	180
aggatacaag	tgcactgggt	ataggtaagt	aagaccatgg	gcctaaacct	tctccccttt	240
cgtcttttgc	atgaagtatt	aaaaaaaaaa				270

<210> 1681  
 <211> 261  
 <212> DNA  
 <213> Mus musculus

<400> 1681						
gatgacttcg	agaggcntgc	ngcgacctac	acagagcgtg	cgctgcgacg	actcttccgc	60
accttggatc	gnnacccagc	actggcggag	agagncntgc	ggaagggcaa	gcagantgag	120
ttcgagcanc	gcgggctcct	ntgcancctc	tggngngngan	ctggngngcac	cntgcancca	180
aagccaanna	actccctnaa	cttgngngnt	attatggtnt	tcaaantgng	gactgngaca	240
aagcaagttg	gtgtacagga	a				261

<210> 1682  
 <211> 187  
 <212> DNA  
 <213> Mus musculus

<400> 1682						
ctgcttcagc	accagcctgt	ccagctgact	tccctgtttg	atcagtatgt	caaagagcaa	60
aacgagggag	attgtgccac	gtcagccaat	gagaagctac	atcctcccga	tcctgctcca	120
gatgcctagc	cggcctgttt	taccagctc	tgcccataaa	cacactctgt	ccctgtaaaa	180
aaaaaaa						187

<210> 1683  
 <211> 394  
 <212> DNA  
 <213> Mus musculus

<400> 1683						
atcgatcaca	catggactgt	tccaaagatt	cgattggaag	agcaaccggt	caaggtttgc	60
tttactctgt	gttctcttga	anancnagtg	aacngnacag	agcatgggta	cnaaactggg	120
acgcanacat	ggacacangc	ccccactgan	tnccttgtgt	ctngacaggc	acacctgana	180
tntgacntga	ntngagggtt	ctcaatgggt	gaggcaaana	gctatacatg	ttgacacacc	240
ttataaccac	aagcttaatt	ctcaagataa	gttgatatac	agaacagtaa	cttgctactc	300
tgtgaacccc	atcacccagg	tgtaatagcg	tctagacttt	tgaaaatgat	gccttaccag	360
aagttttgcga	tgggggtgngt	tcttttttga	tcct			394

<210> 1684  
 <211> 136  
 <212> DNA  
 <213> Mus musculus

<400> 1684						
cttccaacct	tctattatnt	gggacatntc	tttatcttna	anttactttt	tttttctagt	60
ntatnccatt	nnatangant	ctctcngtcc	aaaccttcta	ccacaacaat	ggacacaatg	120
ggtaccccat	taaaaa					136

<210> 1685  
 <211> 173  
 <212> DNA  
 <213> Mus musculus

<400> 1685  
ttaatgattc ttttctgcgg gatcaagaag atgggtacta tcccagagcta gtatctcgcc 60  
agcaagaatt cactcggaca attcttctac ggcaaagctt tattgcttca tctgaaggaa 120  
gaccccgaac aaggaaaatg gngctgctta tatacccctc cgtgagatgc cag 173

<210> 1686  
<211> 354  
<212> DNA  
<213> Mus musculus

<400> 1686  
gcaccgagtc aaaagcatgg tcagcagcat ggatgctgtc tgctctgctt cccgtggaac 60  
ctttccaagt gctccctttg cccgctgcct ctactctgc attctcctta aggaccaacc 120  
ttcttgatct tgatcgaaca acccaattta ttttagtttt aaaatttcct ccaagaatac 180  
tcttctagat ttggactctt agtttcttcc aaataatcaa gccaaagcct gagagcaggg 240  
cagacagctt tacttttggg aaggaaagca ggcttagaaa agtggtgtta cccagtgcct 300  
caataaaaaca gctcagtaca aataaccatt tgggggggata aagaagtctt actg 354

<210> 1687  
<211> 300  
<212> DNA  
<213> Mus musculus

<400> 1687  
cctctgaagg cccaggaacc cggaggtgtt ctgctgagag tcgacatcat tggatggggg 60  
gagagcagaa gggaggggaca cgaaaggcca tggggggagca gcancagcaa gaccctcagt 120  
cgacacattg caggtgggtg ggaggctgtg acanggnacg tttcagatnc cacaatcacn 180  
ccttgtnngn tntttccagg ntengnaaga tggcaggact tgntanggac accgaccgga 240  
tacggacatn taatatccag ttctgggtctc tnagcctggg caaattactg gagcgttttt 300

<210> 1688  
<211> 239  
<212> DNA  
<213> Mus musculus

<400> 1688  
ctgagtaatg gtcagcaaga cccagaaagc agacctgggc ccacaactcc cagagaagaa 60  
gaaaaagaag aagaagaatg ngagagtggg tgcaaagtgc ncagaaccag agactcaata 120  
ctcagtcctta aacagnaatg attattttat agacgcttct cctncgaggg ccacgtcccc 180  
ttctaacaat gtggatgagg tgcagatccc cgagatgtca ctgagcaaga gaaaaaaaa 239

<210> 1689  
<211> 133  
<212> DNA  
<213> Mus musculus

<400> 1689  
actgaggggtg gacctgcatg atttcttcct ggggatgtca tggctgaaaa cacacgacag 60  
aaaccagatt gagaaactcc taaacagagt gaaggaaactg gaacaggagg tggaaagact 120  
taagaaaaaa aaa 133

<210> 1690  
<211> 495  
<212> DNA  
<213> Mus musculus

<400> 1690  
ttattttattt ttggaaatca agttcaatat taaaaagaaa gagcacacat tattggaagc 60



cattttctact	aattcgntac	attntaactt	atgattngat	ttgaatactg	tcatgggagg	120
agctgtgagt	gctggggaag	ataatgatga	cttaattgat	aaccttaaag	aagctcagaa	180
catccgaact	gaaagagtag	agcaagcctt	cagagccatt	gaccgcggag	attactatct	240
ggaaggctac	cgagacaatg	ctnacnaaga	cttaancctg	gaagcacggg	aacatncact	300
tggcaaccac	cttgcattha	ttctgaantt	atgggaagct	tttgaaactt	caaccatgga	360
tnatcttttc	ttanccctgg	gaagggtgaa	cccggatntt	tangntncaa	tgggtggngc	420
ttaattttta	gggtaatttt	attttnggaa	attctctcct	ttataaaagt	gagcntaagt	480
tttcattggc	ttctt					495

<210> 1691  
 <211> 427  
 <212> DNA  
 <213> Mus musculus

<400> 1691						
gactgaggca	tttcacccac	ccagctctct	aagcacggaa	accttggaca	cgtgaacatc	60
agcgccatcc	aggaacctct	cgcctttatt	ttgcctaaga	gagaaacagt	tttctgttta	120
gatgagcagg	agctggggcc	ggacatcgtg	gccccagctc	cagagctccc	tgcggagcag	180
cggagcatgg	agcctgtaac	agagaagagg	gaaccagggg	agccgctgcc	tcaggagccc	240
gtggaggggg	agccgctgcc	agccgagcca	ccgagtgagg	gaggagccat	aggcagtgtc	300
ccctgcccgc	agcctgggga	gcagccctga	gggtacgcgc	ttctgcagcg	ggaagggtgtg	360
tgcagttgct	ttgcccanga	tagcgcgggc	cctggggnat	ttgcactttt	ataaaaaccg	420
cacctgg						427

<210> 1692  
 <211> 352  
 <212> DNA  
 <213> Mus musculus

<400> 1692						
agactgaggt	ctcatactgn	atgttgatga	acaactgtcc	aagtcagtga	aagataaggt	60
attgctgcct	tgccgttaca	actctcctca	tgaagatgag	tctgaagacc	gaatctactg	120
gcaaaaacat	gacaaagtgg	tgctgtctgt	cattgctggg	aaactaaaag	tgtggcccga	180
gtataagaac	cggactttat	atgacaacac	tacctactct	cttatcatcc	tgggcctggg	240
cctttcagac	cggggcacat	acagctgtgt	cgttcaaaaag	aaggaaagag	gaacgtatga	300
agttaaacac	ttggcttttag	taaagttgtc	catcaaaggt	taaaaaaaaa	aa	352

<210> 1693  
 <211> 316  
 <212> DNA  
 <213> Mus musculus

<400> 1693						
agagcatggg	ttggacctat	tanatacaac	agagctgaac	atggaggatt	nctgatggga	60
ctttangcct	ctccccttct	ccacttacca	ctgcaagtcc	ttgagtgagc	agaaggaagg	120
agtaaaatga	agcattcttt	gggtcctagc	caagtacttt	aaaggaaaag	agaaatggcc	180
ttatttttca	aatctctatt	tctttctgaa	gtgggtgcta	tatatagatg	ctatgagcct	240
tgncatcctt	aatgcgccat	cgcctttatgc	ttttgcctgt	ttgcaagtga	taggagttgg	300
gtaggggagg	ctttac					316

<210> 1694  
 <211> 414  
 <212> DNA  
 <213> Mus musculus

<400> 1694						
tttgccctgt	tagcagccgt	ttggtttcga	acttatctac	actcaagcaa	aactagctct	60
tttatcagac	acgtagttgc	tacccttttg	ggcctttatc	ttgcattttt	ttgctttgga	120

tggtatgcct	tacactttct	tgtacaaagn	gggatttcct	actgcatcat	gatcatagca	180
ggagtggaga	gcatgcagca	atctccanaa	gtttctctga	ctatgttctg	cttctgactg	240
accctgcgc	tcagtctcat	gtgtgcgagt	ctgttcaggc	atgtaccaa	acaccgtctc	300
cgttccagat	actccggtac	atctgagaca	tctgaggtct	gggccgagcc	cagccaagca	360
gaggatatgg	gcaccaagag	gaacatccga	naaacagatt	accaccttgc	gaca	414

<210> 1695  
 <211> 236  
 <212> DNA  
 <213> Mus musculus

<400> 1695						
gaacacgtcc	gtgtcataca	ncngncacct	tgttgaaggc	accnccgctg	ntnagcgtgn	60
aggcaagnag	nagcacnttg	acagncaaca	gcaccgacag	naggcgnncg	ccctttttcc	120
acacctcacg	gnggctggcc	cgaggcccn	gcnggctctc	attgggatgn	gggaccagtt	180
cntncgacat	ggtgggggcn	gactggagga	ggttgaaggg	atcacttgcg	aggtcc	236

<210> 1696  
 <211> 110  
 <212> DNA  
 <213> Mus musculus

<400> 1696						
gaagtctcga	tcactagacg	ggagatgctg	ccaagtgcc	cagacgggat	caagactcca	60
atgacaaccn	taagattccc	taaagctaag	acactgctga	aaaaaaaaa		110

<210> 1697  
 <211> 203  
 <212> DNA  
 <213> Mus musculus

<400> 1697						
acaaaaacac	tgaagaatat	tgtcaaagtt	ccagaaaaca	tggaaggcat	gaaagangtc	60
gnactggaga	aaaaccctct	gaaaatacta	aatgtggtaa	agcctttgca	tgtcacagtc	120
atccccaaaa	gtatgaaaga	nttcatactg	nagagaaacc	cnatgatggt	attcaagtat	180
ggtgaagcct	ttgtacatca	ctg				203

<210> 1698  
 <211> 360  
 <212> DNA  
 <213> Mus musculus

<400> 1698						
ccagtagaag	acattttctt	tnntggagac	aaagggatat	ctcccacagt	gnggtttcac	60
cggctgctgt	tctcccgcac	atcctgtccc	caagcgcata	nagaagccgt	actanggaga	120
ncgacaggca	ttgtgcccgn	actggggaga	cagcatacaa	ttgaatcgat	naagatnang	180
attcaagggc	ttcatgaggc	ttgtcggctg	gcgagacacg	tcctcctcct	ggctgggaag	240
agtttaaagg	tggacatgac	cactgagana	gatagatgcg	cttgttcata	gggaaatcat	300
naggcatgac	gcatattcct	ccactctggg	ctatggacac	tttncaaat	ctgttttgac	360

<210> 1699  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 1699						
ggattcctgt	gtgactgcac	ggntgcaatc	ggcgatgtgt	acttcaaggc	acacaaatca	60
gttctcgctt	cattctccaa	ttactttaag	atgtttgttt	tccatcagac	caggtaacta	120

aagtgccttga taataaccta aaaaaaaaaa

150

<210> 1700  
<211> 262  
<212> DNA  
<213> Mus musculus

<400> 1700

gttgaacccc	ttgaaaccct	ctngtganag	tctctatcac	tanacgggag	atgctgccaa	60
gtgccccaga	cgggatcaag	actccaatga	caaccataag	attcccataa	gctaagacac	120
tgcagatcct	gactctgctg	atttctatag	gtgtgggtcca	aactagtcct	atgccccatg	180
aacccccataa	ccttacttgg	gttataacta	acactgctac	ggggactgta	attaactnga	240
cctnccacct	ttgcccccat	tg				262

<210> 1701  
<211> 106  
<212> DNA  
<213> Mus musculus

<400> 1701

agtctcgatc	actagacggg	agatgctgcc	aagtgcccga	gacgggatca	agactccnat	60
gacnaccata	agattcccta	aagctaagac	actgcaaaaa	aaaaaa		106

<210> 1702  
<211> 243  
<212> DNA  
<213> Mus musculus

<400> 1702

ttttagtggt	ttegcttcct	ggcactgcac	tggcttccat	aaggacattt	tcctacaagg	60
acagatgatg	ctttgagcac	aggactctac	cccactctcc	ctgtctcctt	tctcactccc	120
ttctctttgt	tccctttgtt	tctctaccaa	gtgagttggc	ctgagggtca	ctgggtgctcc	180
agcgcagcta	tgtgtgtgac	ccaacacaag	ataataaact	tattttaaac	ttaaaaaaaa	240
aaa						243

<210> 1703  
<211> 139  
<212> DNA  
<213> Mus musculus

<400> 1703

gactgagggt	ttttctgtgt	tacctggcta	tcctgtaact	aggctctgca	gaccatgttg	60
gcctcaaact	caagaaattc	acctaccttc	tgccttccaa	gtgctaggat	taaagggtgtg	120
tattaccaca	aaaaaaaaa					139

<210> 1704  
<211> 104  
<212> DNA  
<213> Mus musculus

<400> 1704

gaggtatgca	ccgaactgcn	atcttcncga	gttnccacta	aaanactgac	ctatntactt	60
taaanaaact	ttncntgggt	agggatgggc	ctcccccttt	tttt		104

<210> 1705  
<211> 282  
<212> DNA  
<213> Mus musculus

<400> 1705  
 actgagggtac tgaggccatg ttcccngagt ggnttcctnc tttgnctctt cttatggcan 60  
 caccaccttc aagtactttc aggacctccg caacncaggc ttggagaana gctatgcgct 120  
 cctcantggg gggtgctttc ccaccatctt ctcccctaac tnccccctgg tctgactgat 180  
 acactccaga actggggatc ganggctgca ccancaccac tacagtcgat ccaancagga 240  
 caacggggcgc accactgagc tcactaactt ttacaagaca tg 282

<210> 1706  
 <211> 315  
 <212> DNA  
 <213> Mus musculus

<400> 1706  
 gcctcatccg gggctgtttt gttgcgtccg aaganctgca nggactgcng ngnacccttg 60  
 gacannntag ntccgaacnc aancacnagc tccacnccgn gcagcgccnn gaccggnaaa 120  
 ggnatctatc acctttttaaa ggagcacatt aaatgtcctc tctgattgaa gcctgccaag 180  
 agggctcagt atgtaaaggc cttgctacta agcctgagga cccaagttca atctccagga 240  
 cccaaataga ggaaaaggac tcctgaaagt tgctccttga ccccccacaca tgtactgtga 300  
 tggggcccccg tgtac 315

<210> 1707  
 <211> 259  
 <212> DNA  
 <213> Mus musculus

<400> 1707  
 gacctgaggg ggggtctttc atgaagtgtt tgctagtgga tcaagctgct gctgcctgct 60  
 gacctgaact gaactgccaa tttccagaca acacagatgg gagttgctcc aaagaacttt 120  
 tctaaaaagg tctttgccac tcaactttgc tcagcttгна tgtaactcc aggagtgcac 180  
 ctgaagacct aaaagcattt tacatgcaga tattatctcc aaacaataaa gngtgacttt 240  
 tctttttccaa aaaaaaaaaa 259

<210> 1708  
 <211> 140  
 <212> DNA  
 <213> Mus musculus

<400> 1708  
 actgtgggat ataacgantc ctatgtgagc cnngangng angntaagaa tgtcanctct 60  
 ttcanaggaa ggattgaccg caaagaactg agcgattgan aaagaatgcg gcatcacagc 120  
 tggcaatccg aaagataaaa 140

<210> 1709  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 1709  
 gcggaagacc tcgcctcctc cgantntaca tcatnaaagg tnattgacgn gctttcccta 60  
 gtggtgaaca ccatacagct ctttggggccc ccagtttctt gttaagcctg gctggggacc 120  
 catgtctgac cttatctccg tctcctccta agcaatacaa ttttccctag ggaaaagatt 180  
 ctagaaatag taactactac ataaatg 207

<210> 1710  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 1710  
 tttaaattccc agctgaagtg actttgngct ccaggtagca gcctgggcag taggccataa 60  
 ttactttcttg tggaaactctc aaaggtcggc cggggaaaaa aaaaa 105

<210> 1711  
 <211> 312  
 <212> DNA  
 <213> Mus musculus

<400> 1711  
 aactgagatc tgggagagcg tctggaagaa caaaggcaac agaaaggaag aatgactgca 60  
 gatgcgctca tggctggggc ttcatatccc agaagccata tactgataag tggaaaaccc 120  
 agtgccaggg tgggctacct ctatacatct ctggacgcgg agtcttctga ggcctccaaa 180  
 accataaaaag ctgatgtcat gtactaaata gttttttgtc aacacaagct aaagtcattc 240  
 gagaggaaaag aacctcagat aacattttct catgcactga gctgtacagc agcttggttg 300  
 gaattttcta tt 312

<210> 1712  
 <211> 207  
 <212> DNA  
 <213> Mus musculus

<400> 1712  
 gacacacaga atcacgcctg gngnnanccg ggccttgatg gaaaccttgc aactntncat 60  
 ttaanaataa agggagaagg gctgangaga tggctnaacg gntaaaaaca ctgantgctt 120  
 ttccaagagt cctgaattcn attcccanca accacatagt ggctnacaac catntgtaan 180  
 gggatctcat gccctctttt ggtgtgt 207

<210> 1713  
 <211> 418  
 <212> DNA  
 <213> Mus musculus

<400> 1713  
 gaactgaggt gtataggtgt gaaccaagtg cacgtctagt tcccttggag gccagaaaga 60  
 aggcgggtgtc ngatccccag gaaccatagt tacagatggt tgatgtggaa actcnaacag 120  
 gatgcnactg ttttttnacta tttttganggn ccagccaccn nancctttaag gncngggnat 180  
 ttttttnanac tgncantnnt gannncggan cncctccaaa tanaatntct tgnntntctt 240  
 gtggccccna ggatnacacc gntaggatan gacactggcc ttgctttacc ttcagagtnt 300  
 ggccttgcat aatggacnan attnattcct tcagttgntc tctgacctcc acatgcngtc 360  
 ctgtgcatgg gtgtatgcat tcacatantc acacatcccc cgttgtttaa taaataaa 418

<210> 1714  
 <211> 118  
 <212> DNA  
 <213> Mus musculus

<400> 1714  
 tgggcgggtg tcttggccaa cgacatgntc anacctgcac gagcncctga aagctgaact 60  
 ggcagcccct cagctcattn tgtttagccaa cttggccntg acggggggagg caagcggg 118

<210> 1715  
 <211> 379  
 <212> DNA  
 <213> Mus musculus

<400> 1715  
 actgaggctc cagctccaga ggtcagtgaa ggaggaagac acggggagcaa gactaccctg 60

aaggggtcac	cnggggacta	aaccctggaa	acaanggan	tnnccnnacn	ttcgtaanag	120
actnnggnta	taattntatg	gncctanctg	tancttnggg	ctanagaggt	gnccaacagg	180
ccatngagnc	ccatctgctg	aaactccttn	nnaacatgag	ggagtggagg	gactnngnaa	240
acgccctctg	ccctccctna	ctcctnggtc	cttaatgata	gttttggtta	natataaatt	300
tttatanttt	ngtntgggta	tacattttta	tctcaagggc	aatatttgct	gggggtttanc	360
gagttttaat	aaatattcc					379

<210> 1716  
 <211> 299  
 <212> DNA  
 <213> Mus musculus

<400> 1716						
gaagaagacc	taggagaggg	tgagaagtcc	accctgaagc	acgcatcaac	tngttcgttc	60
taaggagggg	atgcttttct	cgccaagaca	tcangaaaag	actgggggcac	ccaanagacc	120
agctngactg	tccgcatggt	attaaggatt	gtgggganggg	aggcgtggaa	gcgnacttct	180
ggctagacaa	aggggtggagc	tgggagtgtc	cggagacaga	atcatccaca	gttgtaaagg	240
ttttattagt	tatcttttgc	ttctgatgca	atgaacgcac	gtaagccatt	ccatccttt	299

<210> 1717  
 <211> 409  
 <212> DNA  
 <213> Mus musculus

<400> 1717						
aaggacttgg	aaagatcaaa	acctgntgtc	cagcatttgg	gaacacttgg	gactctggaa	60
aggtggccac	tgaaaagcac	cacaggtctt	aatggctccc	cggaatcttc	ttagcactga	120
gaagctcaag	ctatggacac	tcctttcaga	caggcttgcg	actgtgatgt	catggatctt	180
ctgcctccag	atcctgatct	cagttttgag	tgcagtgtat	gcttttgcac	atgactttag	240
ggcagatagg	gatgcaaggt	ggagtttttg	tcttttgagg	attcaggctt	tacctctaga	300
tattagtgtg	gttaagattt	gaaaatctat	agtaagacaa	tattactttg	gggaaaccat	360
cacatggaaa	taaaggctcc	cattctcgtg	gtatgtgtaa	aaaaaaaa		409

<210> 1718  
 <211> 305  
 <212> DNA  
 <213> Mus musculus

<400> 1718						
ccatgaagag	cagctggaag	agggtgatta	ctatcaagtg	gcatattatt	attacacagt	60
gaccctaat	tatgntgact	tnngggaaan	cttnactgnt	gattactncc	ngtttgnggn	120
ncaggatagg	tngaacaggt	tgnntatnga	ggtaacaacn	acngaagcgg	ntnagactac	180
ngccngtttn	tncagtnttg	ntacngaact	tatggaccct	caaaatcctg	naaccacgaa	240
accagggacc	acagaaccag	ngaccacaga	accagtgacc	acagaaccag	tgagtcaaatt	300
gggga						305

<210> 1719  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 1719						
ctgcctgggg	aagtaagact	tcaacgaaaa	cctgatgcga	cctctcctga	ttgctccggg	60
ccgattcatt	tcccagntgg	gggtgtagacg	aaagcctcct	gcctccccac	aaagcaagat	120
ctgcctcacc	atggctcgtc	caagttcaaa	tatgggnagac	tttcggaagn	gtnttgcgaa	180
cgcenngcac	atagccatca	tctcgggggc	tggctgttag	tgcggagagg	gggggggaca	240

<210> 1720

<211> 293  
 <212> DNA  
 <213> Mus musculus

<400> 1720  
 ttacctttgc tctgtgtgtg ancaanggnc cggctcggca tggcaaggca cggcncagnn 60  
 aggnanggna cagcacggcc atggcacaag gggcagtnaa ctcttgaggc ccctacttaa 120  
 agggcaagct tctgaggact ccggaantca nttgagagtg gggccagatn agangacnta 180  
 ngtggataaa ggcaatttnc tngccaaacc cgnatgactt tgagggntgg atnccccttg 240  
 gggacctaca tgggtgggagg aanagaaact gactccccac aagctagtcc ttt 293

<210> 1721  
 <211> 264  
 <212> DNA  
 <213> Mus musculus

<400> 1721  
 aacccccggtg gtttcaaaaag ccnggctggc ttcgggtctct ttggtgggtc tgccttgccg 60  
 ggggtcttttg gcaacctttg ggaaaaaagc ccacccgata ttgcctactg aggggtctagg 120  
 aaatgctcag caaattccac caccgcaacc acactaccta acctgctgca tccgacccat 180  
 ggccatattt tcattgcttt aaagaagctt ttattcttgg atttggtacg cgattaaaaa 240  
 tattttcta gctaaaaaaa aaaa 264

<210> 1722  
 <211> 472  
 <212> DNA  
 <213> Mus musculus

<400> 1722  
 ctgaggcttg cttccgaaca ccatcttctt cccctcggag acccaatgga gaagggctgc 60  
 agatccagga ggctgcacaa gctgcagtta gcctaagcgc caccaggggc gcgcctgcct 120  
 atcgtgatcc gcgcctccgg acagcactgc ttcaggctcc agtgggtccag ggaaaactgt 180  
 acgcgggttg gacagaagct atccggacct gcaggaaaca agagcaggga cccacgtgta 240  
 cagaggctgc agctgtaaat ggcagctctt ctgcggcgcc tggatatccat aggagtcaaa 300  
 gccaccgatg aagtcaactg aggaagagaa ggggaataact ttgctcacat aacaggcaaa 360  
 cacgaagccg aacagctaaag agagcggata acaatcagag agagagaagt tgtccctgtc 420  
 ccctctaccc acccaactca atgcctgtcc aaagcaaaca tttaacacct tc 472

<210> 1723  
 <211> 103  
 <212> DNA  
 <213> Mus musculus

<400> 1723  
 tggggagcgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaagc 60  
 ctacnacaca gcagtnaccc naggatgagc agggaaaaact ttt 103

<210> 1724  
 <211> 131  
 <212> DNA  
 <213> Mus musculus

<400> 1724  
 cctgtggagc cacacactgn gcacctttct actggaccag nagattattc ccccggggaat 60  
 ctgggntncn ntnccnnttg cttcataact gagtgtcngc aacatgtaaa attggagctt 120  
 tgatcagcaa a 131

<210> 1725



<211> 188  
 <212> DNA  
 <213> Mus musculus

<400> 1725  
 ctgttcaccc cgcttcaagg aagacaacaa aaggatggag gaaaacacag atgcagttga 60  
 cgagctgggg aggtacaact agctgcttgt acattccttt agttaaaaca agctgggggtg 120  
 ggggtgttatg ggatggctac agtagctgag tcctattaaa ccgataagaa gaaacccaaa 180  
 aaaaaaaaa 188

<210> 1726  
 <211> 116  
 <212> DNA  
 <213> Mus musculus

<400> 1726  
 gaactgagga aattccttca caaggaggag natgaagaag aaatctgtat ataatcagaa 60  
 tgtgggtgat caggagtgtg acgacatgga aggtgatgan aacagccata ctgccg 116

<210> 1727  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 1727  
 acactgaggg ctacagnent ngtttcgcgg tcgcggcctg cnntgngagg angtagctgn 60  
 gccgccaggg ntngcgggat tnnngnatggt gacggaggac annggagagg gnntganngg 120  
 gaaactgaan ttctcccaga cncgtntgac aagacaccga ngcncaggag ccgntggagc 180  
 gntactttca cncctttatc ngggccaccn gcnatttcan ccatttnacc ttgtggggtc 240  
 tggaaacggn cccgggtcca aatgccccaa gtgcatangg ccctaagttg gcccancctc 300  
 tcaacancga ttcacgcccc ggtccctgag gactgagaac cagatcatga gaatgacagt 360  
 cacagatccc ttctcaccac ttggagcgac tgtttctatt cccaataaat ga 412

<210> 1728  
 <211> 384  
 <212> DNA  
 <213> Mus musculus

<400> 1728  
 agatcttctc acagaaaatg tgccgtactg ngatgcgcca acccatgaan caggtaaagc 60  
 ttccaggata aacctatctc tgctccttcc cactttaaat acatacctgg caacgggtcct 120  
 ggacatgcac atgtttctnt ntgaagcgca cgttgcanat gagcgacagg ctgagggcta 180  
 cagaggagat agacatgcct ttcactgaca tgggcaactg aaggcctggg gaggcaggac 240  
 gctcctctct ttccctttgg taggtctttt ggtcttccaa agctgtttgc caatgaagca 300  
 ccttaccaaa ttggtgactt ttcattctcat gggacataca tagctaaata taaaatgcta 360  
 cattaaattg atgtttaatc ccca 384

<210> 1729  
 <211> 414  
 <212> DNA  
 <213> Mus musculus

<400> 1729  
 ctgagtatat gtagcctgag caactctcag gagaaagcga cggaaggagg agcctcgacg 60  
 agcctgggga caagaggtct acaaatttca tgactgccgt agaaccagct gctcatatta 120  
 aaacatgaa tttccccaga accaagggtg aaagccaagc ccaacaaggg cggtagcttag 180  
 caaaatccat aggtcaccat aggtgggtcc ctgtagacaa gtggctgtca cctgccaat 240  
 tagcaaggct aaagagggga agggaaaact gctggagact ctggacaaaa agtagtacag 300

gaagagatta tcagcataaa caggcattaa ataggaaacc gtcactctct gactttttat	360
ggacacaccc ttcttggtta ggaaacagaa gaggatgaga gtcactctgtg atca	414

<210> 1730  
 <211> 247  
 <212> DNA  
 <213> Mus musculus

<400> 1730						
aagatctggg	acatgagtga	cgaggagact	gtctgaagca	agcaaccaca	gctcaggagt	60
acctggccct	cagcgcagga	ctggaccgca	ggactggtga	tctgggccct	gccacctccc	120
tggctctgat	ctccacatct	ccaaggacga	gggtgtaccc	tctgccaccc	agttgcaccc	180
tttctgtg	catctcacca	gctctgaact	caataataac	cttggcattg	ccactgaaaa	240
aaaaaaa						247

<210> 1731  
 <211> 198  
 <212> DNA  
 <213> Mus musculus

<400> 1731						
aggaactcga	agaagccatg	atcgggagag	ctgcgagcgc	tgtataggac	tcagcttcat	60
ccagcancaa	cgcgcattga	aactcgagcg	ggctaaggcg	ctacggaaag	tccgtagagt	120
caaaaagatt	ttgaacgcga	atctctctc	ccacctacac	atcttcaaga	agtgagttac	180
tgggatactg	ccgcccc					198

<210> 1732  
 <211> 109  
 <212> DNA  
 <213> Mus musculus

<400> 1732						
aagactttgc	gttactnccc	gtgatnccag	gacgaacacg	ttgaatggac	cttttttaaaa	60
agaaagcgga	aggaaaacta	aggatgatcg	tcttgcccag	gtgtcgtga		109

<210> 1733  
 <211> 228  
 <212> DNA  
 <213> Mus musculus

<400> 1733						
atTTTTgggc	cggagatgcc	cattgngcgt	nttgnaanct	ngtatgangt	cantaaatgt	60
atcaaccanc	gctagaagcc	nctggcactc	tatgcgtact	cnancaatga	cnaggcgatc	120
nagaggatga	tcncagagac	atcaancggt	ggatgtgaca	ccaatggacg	gcattgtcac	180
atcactgtgc	ccactttgcc	ctttgggggt	gtggggaaca	gcggcatg		228

<210> 1734  
 <211> 369  
 <212> DNA  
 <213> Mus musculus

<400> 1734						
gtgattccct	ggactctgtg	agctggcagt	gcttggagct	acacagcttg	tgccatggac	60
tctgaggtca	gcaacggttc	cggcctgggg	gccaaagcaca	tcacagacct	gctggtgttc	120
ggctttctcc	aaagctctgg	ctgtactcgc	caagagctgg	aggtgctggg	tcgggaactg	180
cctgtgcaag	cttactggga	ggcagacctc	gaagacgagc	tgcagacaga	cggcagccag	240
gccagccgct	ccttcaacca	aggaagaata	gagccagttc	tttctgcaa	ctatcaagtc	300
attcagaaaa	gaggagtcaa	gagaggggat	gaggtagatt	tgaataaaaa	aactataatg	360

aaaaaaaaa

369

<210> 1735  
<211> 403  
<212> DNA  
<213> Mus musculus

<400> 1735  
gtctgagagc accagggcct cagtccttgt aaaatgggtt gccattccag caagggcacc 60  
gaggtggtag aggagtcccc gaaacctgga gatcacgccg atggaggaga gccgaagggtg 120  
gagtctggca ccgaggctgc ggatgacaag gatgcctcaa cgaaggacgg aacccttgag 180  
ctgaagaact gaccctcttt cttgggtgga ccttcaactt gtccctggaa ctgcctttga 240  
cctgtgaggg cccaccctga agagctatcc atggaggaca gaaagagccc tggttaggat 300  
gtgaccttca cggggcttgc tctctggctt tgggggagat gaagggttaa gcttgaagtg 360  
ctcagtaaag aggacaaagg actgcttcat tcctcttggg gcc 403

<210> 1736  
<211> 312  
<212> DNA  
<213> Mus musculus

<400> 1736  
acttggtagc atctttcaca gctggaagca tacttnaagg tggaaccata cccanacctc 60  
cangatcgaa agatnatggc caccanactg aaactganag aggaacaagt tgaggcttgg 120  
ntnatccaga gatncttggg ggaggagatg cggacccctt tggccaggct gnagnngncn 180  
gnentggatg gtacctcttc tccttnccac aaagccctgt gctgnaggcc accaagctgg 240  
aagnacnggc tcattncat naatnccnnt gagtccttga ccagntgctt aaaggatagc 300  
aaaactgtat ta 312

<210> 1737  
<211> 512  
<212> DNA  
<213> Mus musculus

<400> 1737  
gggcccctct gtctgtctgc aaggaagaga tggggggcgc agaagacagg accttcccac 60  
gggagcagaa cgacttcaat aatgctgtcc tcaaaacagg tcctgttcac cggaagtcca 120  
tctgccagcc ataggggaaga caaaagctaa ctgggagccc tgatgtccta tagtcaccca 180  
gactggaggg aagatgacag cagggctccc atacagagag gaggtgaaaa actcaaacct 240  
ttggacagca gcctgacctg agtccaatca agttgtgagg gacagaggag gaggcctcag 300  
agtaacaggg ggctccatgt tctttatagc aatcttagac gaagctggga ttcaaattccc 360  
cagagtagag ggaggaaatg tgtcaggggt aggggggtgg gagngangc tnnnnggana 420  
aacnnctanc tgantgaaac ctnttttgcc nattcatatt tntcctgctg gntcccanng 480  
acttgccctg gantatcacc tgtctcactg aa 512

<210> 1738  
<211> 246  
<212> DNA  
<213> Mus musculus

<400> 1738  
atgaaagcag gcgtgtagtt gccggcatgc gtgcacatga tgacgtaatc angntctgta 60  
tcanaagctc accagatgct ncagcgcaca cgacagccac ggtcccaaca cccagcactg 120  
ccacttgctc ctctccagtt ctgtcgggat gccacacgca ctgcccggcc ttttaagatc 180  
tgaccggtag cgcggcgcgt cagcctcggg gcgggcccga ttctttgcgt ccagccccct 240  
ttcacg 246

<210> 1739

<211> 420  
 <212> DNA  
 <213> Mus musculus

<400> 1739

gtctctgatg	ggcctagagt	ttggagcgag	aactgggaag	cagagctcta	gaagcatgga	60
gaccataagt	gaccatgggc	actgtctctt	caccccatgt	ctgcactttt	tatgtacctg	120
gcttcaaata	cttttagtttc	tacttctggt	tgacctactg	agaggagggc	ataggaaatg	180
aaggactgtg	tgtgccctca	agatggcggg	gctcctgact	tggagaagag	gaagaggtct	240
atgctgcacg	cattggttta	tacaagaagt	atttggttgc	agtactccta	cagaacagca	300
ctccatgccc	tgtgacagtg	tgcttggtgtg	agctttccag	tgacattcat	ggtcagccat	360
agtaaacagc	ctagaaaatg	agaatattaa	aagangngat	naaaatcttc	cattagggtt	420

<210> 1740  
 <211> 356  
 <212> DNA  
 <213> Mus musculus

<400> 1740

ctttgggtag	gtctgcggac	ttgcttgggc	tggacccaac	gcagctcaca	gatgcactga	60
cccagagatc	catgatcctc	aggggagaag	agatcctgac	gcctctcagt	gtccagcagg	120
ccgtagatag	cagagactca	ttggccatgg	cacttttatgc	tcgctgcttt	gagtgggtga	180
tcaagaagat	caacagccgg	atcaaaggca	aagacgactt	caaatccatc	ggcatccttg	240
acatcttcgg	atttgaaaac	ttcgagggtta	accactttga	gcagttcaat	atcaactatg	300
caaatgaaaa	gcttcaggaa	tacttcaaca	aacacatttt	ttcctaataaa	aaaaaa	356

<210> 1741  
 <211> 404  
 <212> DNA  
 <213> Mus musculus

<400> 1741

gactgaggtt	tccttacaaa	tttgaagtac	aacagatggt	agaagaacct	cagtgggaat	60
tagtgtttga	aaagacaaga	tggataatcg	aaaaatacag	gcttttcta	agcagcgtcc	120
ccatggatag	aatcttttcgc	cgggattccg	acctaacttg	tctgcagaaa	cttttggagt	180
gtctaaggaa	aacactgagc	aaagtagcca	attgcttcat	cgctgaggag	ttcttgactc	240
aaatagaaaa	tctgttccct	tccaattaca	aaagcaagga	agagaatgga	ctggcagaag	300
aggatagtac	aaaggaattg	ttcatgtaat	tatttttaaag	taagatgttc	taatcttggc	360
atgctactgt	aaataattga	gatttttaaag	caatataaaa	aaaa		404

<210> 1742  
 <211> 184  
 <212> DNA  
 <213> Mus musculus

<400> 1742

ggccagttcc	tgatcccagc	agcatggcgt	cttgggctga	gccctctgag	cctgctgccc	60
tgcgacttcc	tggggcccca	ctgctggagg	gctttgaggt	gctcgatggg	gttgatgatg	120
cagaggagga	agatgacct	agtgggctgc	caccactaga	ggacatggga	cagcctacag	180
tgga						184

<210> 1743  
 <211> 107  
 <212> DNA  
 <213> Mus musculus

<400> 1743

tgtctggatc	actatacggg	agatgctgcc	angngcccca	gacgggatca	agactccaat	60
------------	------------	------------	------------	------------	------------	----

gacaaccata agattcccta aagctaagac actgccaaaa aaaaaaa

107

<210> 1744  
<211> 192  
<212> DNA  
<213> Mus musculus

<400> 1744  
tttccagggc ttttttgntc caccggagan agcaccacag gttgcccctg gagcactgtg 60  
acccccagaa caactgagca cttgacctcc ttatctctag tgtccgtcct gaacgaaatc 120  
tacgtgagat gccaggactt ggaaggnggg acttgatctn tgaagactct tgggacttga 180  
tctcttgagg ac 192

<210> 1745  
<211> 131  
<212> DNA  
<213> Mus musculus

<400> 1745  
acaggatcag aggcactacc antgcanagc accttcactg catgtctatg ggagtggcaa 60  
gggttttcct cttacacagc ctttaagggtg acattataca aataaattcc tttacactgt 120  
tacacttcaa a 131

<210> 1746  
<211> 258  
<212> DNA  
<213> Mus musculus

<400> 1746  
tcctcgggtga cagatncgac gacgcaccgc gtctcccacc ccgcgcgcgc ncgatgccca 60  
agaggaaggt tagcgcggat ggagcggcca angcggagcc naancgccga tccnngaggc 120  
tgtngncaa gccgcgccct gncaagggtg acgcgaagcc aaaaaaggcc tttggaaagg 180  
nttaagcatn atacnaaaaa gngccttttt atttgnanta ggggtagctg aagggtctaa 240  
cnggcttgac gttgggttt 258

<210> 1747  
<211> 383  
<212> DNA  
<213> Mus musculus

<400> 1747  
ctgggtggtg gccagggaaa aggaaattat cttcttcttc tgaggaggat gacgttaatg 60  
atgatcaagt ctgtaaaaca gccgcgaggg gaccgtgtaa ntgacnttgn anttggtgca 120  
tnaganttnn actatnntgg gtgnggggnt agcttaccct agccctancc ctaccctaac 180  
cctanccagt atgntgaatg tgggntncaa angttaagaa cactgggtttc tntttcnaaa 240  
gacttaggtt catttccaac catggntgnt cacaaacctc agtnactnta ctncnaagg 300  
atctaagtnc ttntggcttc agtaggcact gcaactgtat gcntgtggta catccatgca 360  
ggttaaaaac tcactataaa cct 383

<210> 1748  
<211> 476  
<212> DNA  
<213> Mus musculus

<400> 1748  
ttcttctaca caccctgtcc cgccgcgagt ggaggacca caagattctc tctgatcaat 60  
acctgacaca ggatgtgctg gaaaagnccg atcatctgat ggctgcagcc aaaggtctgn 120  
ttgctgatgn tcctcgtnag cgcacagggt ttccaaatgt aacaagggtc ccagattcct 180

cacagagcca	nactggaata	aatcaagacc	ctgtcaccca	gtctatcctt	aatgaatcaa	240
tcatagagcc	tcaggctctt	aatgaagtcg	acgatgcagg	ggagcagagc	actgctcaca	300
gccagtcaga	agacagcgag	aatgaattgc	ctaactccct	cagccagcat	tctaacagga	360
gtacagagag	gtttcttcac	caactaaagg	aagagaattc	cgagttaatc	aatcaactgt	420
ggaccgatat	tcagcagaaa	atcgctaccc	agtcacaaag	aactcctcca	ggatct	476

<210> 1749  
 <211> 225  
 <212> DNA  
 <213> Mus musculus

<400> 1749						
tggggagcgt	ggattctttc	tncacaccct	gtcccgcgcg	gaagtggagg	acccccaaga	60
aagangnaga	agaagaagat	agangncnac	ggagatggan	acgatgacga	atnntgaagn	120
agtggaatct	cagtcaggac	tcctcccntg	ggctcctctc	tatttctgng	nttcncccc	180
ctcatccctt	ctnngttgtt	ccttctgacg	tgtcagtatc	ctctc		225

<210> 1750  
 <211> 375  
 <212> DNA  
 <213> Mus musculus

<400> 1750						
gagccgtgga	ttcttctcac	acccatgtcc	cgccgcgaag	tggaggaccc	acaagtgcc	60
ccctnggggc	ctaggaggcg	gngaggagat	caaggaaagg	ntgaanant	ggntgtgccn	120
cngangattt	cacangacag	nntgttcttg	cgggatncac	nctaattgann	tnancctttg	180
natgcctgtg	nacaaaatga	taantaancc	caccgatcng	cttctgntg	cattctggnn	240
ggtnttggt	tagccnntca	gggtcaccgt	gttatccaga	aatggcagcc	actggctacg	300
cgtgacgggt	caaatgtaca	tgtaagtacc	aatgaatgaa	ataaagacga	cgttcctggt	360
tcattccggc	cacat					375

<210> 1751  
 <211> 134  
 <212> DNA  
 <213> Mus musculus

<400> 1751						
aactgaggtg	gggtctttca	ngagccann	agcccggcga	ggatcgcgct	tggtcgctt	60
tcaccccnngn	agnggangcc	atggtgcaag	nagggtncca	gaanagatca	tacactcact	120
gcttgcttg	acaa					134

<210> 1752  
 <211> 314  
 <212> DNA  
 <213> Mus musculus

<400> 1752						
aactgagttc	gtcggctgac	tggatcatcc	tgaacatgga	gactctagat	ccatttatgt	60
cataccagcc	ccttccattt	atgcacgaga	ggcctgatcc	tgccccttct	ctatcttgct	120
ccttctctat	catcgcttg	agatggagcc	tgaatgattt	tatttacttt	gtggtgtcca	180
atctctacct	ccccctaccg	actggagact	ctttgaaagg	gctttattgt	acatattgct	240
tatttataac	ctagtttttc	tcattctccc	agagacatct	ataaagggtc	ttattttgct	300
caaccaaaaa	aaaa					314

<210> 1753  
 <211> 480  
 <212> DNA  
 <213> Mus musculus

<400> 1753  
aagggagagg accctaccgn atctacaanc cagggggcag cacgcctctg ggagaggtgt 60  
ccnnatnttt tgaacgtcta nccggaggng aatactcagg ctgaaggagac ccaactcatg 120  
tgcatgtgcc gtttttgctt caagctcant agcaggacct gccccgagcc cncgtctcct 180  
tgccccctctg tgaggagtta cggagagggc tttgtctcta gagcagaaga gaatgatggg 240  
acggcctgat gctgtcatgc tctccactgc acctgtggca gcctcctgag agccaccaag 300  
atctgggatg aaggccacac cagccatgtc tgctgaaggg cccagactg agatgactcc 360  
ggcctccaca gttagatgtt tatggtgcca gaggtctata tttaaaggtag ctgtctgttg 420  
ctaggcagcc cgtttgcaca aatcttgnac ataaatccaa cttgaagatc aaaaaaaaaa 480

<210> 1754  
<211> 122  
<212> DNA  
<213> Mus musculus

<400> 1754  
tgaggtctgg gccgaagct tctgcctgtt ccctggcttc tatgtgggtc caaaagatgt 60  
gtgtcctcca tattcaaggc tgcagacctc cagattcaga tgaccaaaaga acaagaaaaa 120  
aa 122

<210> 1755  
<211> 277  
<212> DNA  
<213> Mus musculus

<400> 1755  
gactgagctg gaagtgaaac gggctccgag cagggcaggg agccctcaga cagagccagc 60  
gaggaaaatg aagctcccaa tcttcatagc agatgcgttc actgcgacag ctttccgggg 120  
caatcctgcc gcagtctgcc tcttgagcgc cacattggat gaagatgctc atcaggacat 180  
tgcaagggaa atgaacctct ctgaaaccgc ttttgtccgc aaactgcaac caactgatga 240  
cttcacacaa agtaaattat acatttaaaa aaaaaaa 277

<210> 1756  
<211> 107  
<212> DNA  
<213> Mus musculus

<400> 1756  
aacgcctgtg ggccccttgt tctgacanat caaatcngng nngggggctg nngnacaaat 60  
ctacccatct ctnttnataa attgactatg ccaataaatt aacatgg 107

<210> 1757  
<211> 290  
<212> DNA  
<213> Mus musculus

<400> 1757  
agtcaaaaaga agcctgggac atccgtgaac aacacgagtg aagcctggga catccgtgaa 60  
cgacagagtg aagcctggga cattgtgaac gacagagtga agcctgggac atcgtgaacg 120  
acagagtgtc tgcctaacat tctgttataa gggtctgggt ttgaaccag caacaaaagc 180  
aaaacaaaac caaaaatctt ggaaaatagt gtatcgatgc aaggatttgg gggcgctact 240  
gtagaaacac aaccaaccag gtgggggggg ngaatgaata aatttgactt 290

<210> 1758  
<211> 488  
<212> DNA  
<213> Mus musculus



<400> 1758  
cccaccgcat aggataaatc tcatgggnatn tgttttttgt gactttgnng ttncnggngc 60  
cgnaacnaat cattgtnatc agttactcca aaattttaca gatcacgaaa gcatcgcgna 120  
agaggcttac gctgagcttg gcatactctg agagccacca gatccgagtg tcccaacaag 180  
actaccnact cttccgcacn ctcttctctg nnatgggttc cttcttcatc atgtggaann 240  
ccatcatcat caccatcctc ctcatcttga tccaaaactt ccggcaggac ctgggtcatct 300  
nnccatccct tttcttctng ntgggtggcct tcacgtttgc caactctgcc ctaaaccctc 360  
atactgtaca acatgtccct tgttcaccaa ccnaatggga agaaaatttt ttttgctgcc 420  
ttcttttttt ccagaaaaag gnanccatt ttttacaaaa cacgncnttc angccaaat 480  
aaaccttt 488

<210> 1759  
<211> 371  
<212> DNA  
<213> Mus musculus

<400> 1759  
ccttgcccgg gtcttttnaga cagcacattc atcctgcntn actngtgnac gttagatgac 60  
taccanancn ttncnnttg tcantgtacg ctaaantcct ntgggggngc ctgggtcggcc 120  
cgtctctcat ccngtcactn tgnccatggc aagattctga agggattatc ggcaaaaaaa 180  
gtgtgattgc agcatctgaa ccctentnct aattgccgcg ccttaagatt ccagcatcac 240  
cagcatcacc tctcttttct tcagtgtcat tcataaaagg ctgtnagggtg catacaccta 300  
acactttctc cttattgacc cattctgagt cnatttactg aaatgtactt cngaataaac 360  
aaaatgaatc c 371

<210> 1760  
<211> 141  
<212> DNA  
<213> Mus musculus

<400> 1760  
tgctacctgc tgaganactg aacctgnctt cctganaaat tncctgagata gcggncaccc 60  
ngtggacttg ncgacctant gctnacagct ctgacngact acngctaaca acttatcaac 120  
aaancatcaa gaagcctggg g 141

<210> 1761  
<211> 117  
<212> DNA  
<213> Mus musculus

<400> 1761  
acctcgtgtg ccacatttgc ctccagcccc tgctacagtc gctcganacg ccctgcggac 60  
acacgttctn gcacaagngc ctacacaaac ttctctgcagg ngaaggattt ctgcccg 117

<210> 1762  
<211> 332  
<212> DNA  
<213> Mus musculus

<400> 1762  
gtttcctttt ttgggcactg cntcttggtg ntgatctnac acttaaaatg ccacctagcn 60  
attgcaggnc cagggggnga cccccccca gatggaggct ggggncnnnc ancgttagtc 120  
aggagccttc atttctattg gcttntacta tgcatttccc aaatnccatc actgtcttnt 180  
ttaaagagat agaagttata ttnagtgcga ctnaccagng aantatcatg ganancatct 240  
atcatgtttg gctagcncat gtatgctgga ggnccatca gcantatctn ggttgaataa 300  
ataccggaaa ngcnttcgag tcaataactc ta 332

<210> 1763

<211> 332  
 <212> DNA  
 <213> Mus musculus

<400> 1763  
 cgtgcttttg agcagcccag tacatggaaa accacgcccc cctgcgcgcg cagctcacct 60  
 ggcggaagtg agaggctcct cggcgcccgg nagcgggagt cggctacttga gagagaagat 120  
 gtccgggaag ggccaggaag cngggggatg ccagagcacc tgcaggcgct gtcccgtgt 180  
 gcgcaggcgc acgccttccg gaggggtccg cttgactggg gggagcagga ccgggggtcag 240  
 cgtccgctct gccggttcat acctcacaca ctaagtcttc gtttgngact ctcattcatt 300  
 cacatgttcg ctttcgcctt caaaaaaaaa aa 332

<210> 1764  
 <211> 333  
 <212> DNA  
 <213> Mus musculus

<400> 1764  
 gactgagaaa taatgttcat atttggaccc atgtcgaact tctctgaaga aagggcaacg 60  
 atgattgcag ccggggattt gcaggaattt gttccttttg gccgagacca ctgcaagcac 120  
 caccctaacg ctctgaacct tcagcttcgt cagctgcagc cagcctctga gttatggctt 180  
 tctgatgggtg cagctggctt ggtgggatct cttcaggagg ttacaatcca tgagaaacag 240  
 aaggtttnat taanattctc atcatacttt tgaaatttag aatgaatacc gtgctaatat 300  
 aaagctgcct atatgcatgt gagaaaaaaaa aaa 333

<210> 1765  
 <211> 161  
 <212> DNA  
 <213> Mus musculus

<400> 1765  
 gagcgtggat tcttctcaca cccatgtccc gccgcgagtg gaggaccac aaggctctcc 60  
 ttggacattc ctgtactctt tgtaggctcc acatcagggt gcaactcaga actattgtga 120  
 acttcaagaa ataggaagat ccaagtgaga cccacaaagg g 161

<210> 1766  
 <211> 454  
 <212> DNA  
 <213> Mus musculus

<400> 1766  
 ggccttatca tttctgttgn gnctcnctgn nnetccttnn acattcccag ctnagatccc 60  
 acccctgtag tcttctgcaa cagctgtgtg ccggctcgaa agcgtctggac atcggtgacg 120  
 ctgtgggtgtg gagctggcca attagcctcc cctcggcggg tgaggatttc cacgggtattg 180  
 gtccagaagt gtcagtgccg cccgaagctg tgagctgagc atcctagagg aatgcgcagg 240  
 acatgaatga accttggaac gaagcaggag acgcaataga aagacgtgac ctgaatgatg 300  
 tgcacgggt caagagagca gaattggaca gggccagaat actagacatg gtcccccagt 360  
 catgggttta agaccactaa tagtcataga atgtggggct aggggtataac tcagtgggag 420  
 aagggctttg cctagcatgc atgaagccct gggg 454

<210> 1767  
 <211> 445  
 <212> DNA  
 <213> Mus musculus

<400> 1767  
 gagccgtgga ttcttctcac acccatgtcc gcccgngaag tggaggaccc acaagntgca 60  
 caggangcct tnngggcttn gntggtnctt gcncgcatgt ngnatatnta tactggacac 120

agagacntac	atatcntcag	annntngttc	tnananagct	acntgttnat	ntatnacttg	180
attnngannn	cntggggtca	aagggacaca	ncntcccttg	gttttactct	ggaagactnc	240
ggaagattcn	acngatgtcn	gtccncagaa	gatttgacca	ccnngccatg	ctgctntgaa	300
tgctacaagg	gataaagtcc	aaagccaaag	aggctagagg	gccaagtctg	cntaaaatcc	360
tanatgaagc	actggggggc	gtgggtcgctg	agaggagtca	ggtggnggct	gaggacatcc	420
ggcttggaga	gaccctgtca	gagcg				445

<210> 1768  
 <211> 330  
 <212> DNA  
 <213> Mus musculus

<400> 1768						
cgtggattct	tctcacaccc	atgtcccgcc	gcgaagtgga	ggacccacaa	gggtctgctt	60
agttggactt	cccaagactg	tgtgtggagc	tggagattta	atcaaaaggc	cttaagatga	120
gtgccttgtc	agagcacaaa	cattccgcag	tccaaggaa	aatacaattt	aatgcatcca	180
gttaaattgc	ctgagaggaa	atagtgaata	cagctttctt	caagtctttc	cccctcaggc	240
cattcactaa	gaaactggtc	accaactgct	ggtttcttac	cctgttttct	cacctaaga	300
atgctaata	gcttgagctc	gagtcctcaa				330

<210> 1769  
 <211> 311  
 <212> DNA  
 <213> Mus musculus

<400> 1769						
ttctttctac	acccatgtcc	cgccgtgaag	tggaggaccc	acaagaggng	caactggtag	60
ctgggtngga	ggcccggcan	cangngacct	taacaccttg	acnctgnagg	tggcccagnn	120
naancntggt	attgtanatn	aggtgctgga	ccancatctg	ctncctctac	cagntggaga	180
actactgttn	tagaccanc	antaccngc	ctaccctctt	gccttgaata	aaacntttga	240
atgagcagaa	angaananta	taacggggtc	acngtcctta	ccantnctga	gtaccctgcc	300
gctgtactgc	t					311

<210> 1770  
 <211> 134  
 <212> DNA  
 <213> Mus musculus

<400> 1770						
acttactata	acccatggna	gggtgccgtg	tgtgctgctg	cgggctntga	gtgntgcca	60
gnagacnnag	ngctctcttt	tgccgttttt	aaagnaaac	atctgatcag	cgctcagatc	120
accatctacc	actg					134

<210> 1771  
 <211> 279  
 <212> DNA  
 <213> Mus musculus

<400> 1771						
tgagagatgg	cctcagaagt	cgaggggaaca	aatccctgtg	cgtgaggagt	tctttctctg	60
tgggtggagt	gaaaccaaga	tcataaaatg	tggggccctg	actaacctct	ttgagaaaca	120
agacgtcagc	aagccaaaac	agcttatctt	catcattccc	ggtaagtcga	aaagtcacag	180
gttctcaaaa	cctctgggtc	cagagtgact	gccggtaaac	tggagaatca	caaataaaat	240
taccactacg	aatgatggtc	acggttacta	aaaaaaaaa			279

<210> 1772  
 <211> 239  
 <212> DNA

<213> Mus musculus

<400> 1772

gactgaggag	acctctgaan	agggntacag	acacagtctt	tgagaacttc	tgctgaaccc	60
atggaggatg	gatgtccca	ggaagagaag	cgggggctca	ttgtcccttc	catctactct	120
gccctttgca	tctctcctac	ccaacccttc	gtctgcatgc	ctcagtacta	ctcaggcctg	180
aggacctgag	tcagtttcca	ggctcatgta	aggctttggc	ttcaataaaa	caaaataaa	239

<210> 1773

<211> 470

<212> DNA

<213> Mus musculus

<400> 1773

gggagtgtat	ggggctccnt	acccaaggga	aggagacggc	tggggctcan	gaagtgaatg	60
aggatgagaa	cacaagcaca	gaggagcctg	tggatcaggn	angcccatca	cncggacncc	120
anggagcctt	attatgggca	tagntctgng	ctaangnctg	ngctccnng	cacagtcttn	180
ntggcggnntn	ancgagannt	anatctgaan	gcctggcttc	ctgtttccct	tgtgaggcgt	240
tcanatatnc	agtantctnc	tttctctggt	ggggacctnt	ggcagnccat	gcaanttgn	300
cacacacata	gctatgtatg	tctccaaaca	tccaccagag	ggcaggngat	acagttnaag	360
aggccttgct	tgcacaacac	cngcctggnc	ctgaagctgt	agccccaacc	tccgcccctg	420
ctcctccatc	ttaagagctg	ggagctncag	atacaaaactg	ggggacaact		470

<210> 1774

<211> 170

<212> DNA

<213> Mus musculus

<400> 1774

gactgaggtc	cccctgctca	gccagatctg	ctcaccagtg	aatcaactaa	gaaccctgga	60
tggatgaagag	agaggagact	atagtaaaga	atccagggtat	gttagaggaa	ctgaacaagg	120
ggtgagggtg	cccttaagtg	acaataaaaa	gagaatgtga	aaaaaaaaaa		170

<210> 1775

<211> 329

<212> DNA

<213> Mus musculus

<400> 1775

gactgaggag	aactatgatc	agatgaaagc	tttagtgagt	caacttcatg	agcgagccca	60
gtatgtgaga	ctaggaggga	gtganaaggn	ccgggcgcgg	ctcacatnct	aaggaaanct	120
gntccncaca	gacanaatcg	actntctnat	anacccaggn	tgggtctagc	gctttgtacc	180
tcagcgtgtc	ttctgtncct	ctggacagtc	cnattaacaa	atgcttntaa	ntttgggntt	240
cttaaaaaaa	aaagtgactt	gatgaattgc	acataagagc	acaataaaa	tgcccataag	300
ggaaatgagt	tttttcagca	caaaaaaaa				329

<210> 1776

<211> 188

<212> DNA

<213> Mus musculus

<400> 1776

ctgagagcct	ctctcttctg	acgacatgcc	cagctgtatc	acaggaggag	agtgttaagt	60
cacnaacggc	gatctccatg	acgacggagg	ggagcggcta	ccaaaatgac	cttccaaagg	120
acggccacct	ctgaatgctg	tgatacagtg	gtaacatggg	aaaataaagt	ctagctatta	180
ggaatgaa						188

<210> 1777

<211> 358  
 <212> DNA  
 <213> Mus musculus

<400> 1777

tgtgttcctt	ccaggntgac	aaaacaacat	tggggtcctg	gtcaatatga	tgaggtcacc	60
cgccacacaa	gagaaaggaa	ancggtcnac	gnngncctat	gcaggtagtc	cacatgctag	120
gaacacctga	ggcttccttt	tcagggatgt	gccacanact	agnngnaaag	atttcttgna	180
ctaattgctc	naagaaaagc	actcacagaa	aagtaaattt	acccntcct	taaaagggtt	240
catcacttcn	tattttatttt	agagacaaat	acaaatcttt	caaggatctt	tcttgagcan	300
agagatat	ctctnctcat	tttaactctt	aatccttttg	gactagggtta	aagcatag	358

<210> 1778  
 <211> 579  
 <212> DNA  
 <213> Mus musculus

<400> 1778

cacactttta	cacttttacag	actatnagaa	nagntagagg	ggcgaagtct	aaaaatgaaa	60
ctgectctga	ccttctgcag	gctgcttagc	aggttaaaca	gattttctgt	aaaagcaagc	120
cctcctgtga	gtttctccac	ttcctcttat	ttgtgtagcc	agaagaagaa	aaactcttac	180
gaagcagtag	accaagcgaa	gtactctcgt	ttagtacgct	ctgtcttgtc	cagaggcccg	240
gacnngactn	cnnagncgct	gtncnaggnn	natgatggct	gtatggacca	gtgagtaagc	300
ataaggctgc	agancccgag	ccacaggccg	gagtcaccaca	acactgcttt	cctatcttca	360
atgaagagag	aaccgggaaa	ccacacacag	atgcttcttc	aagccctttg	aagatccctt	420
tgcaaaggaa	ctcgataccc	agtgtgaccc	gcatecttca	gcagaccatg	ccacctgaac	480
agagcttctt	tttgagagag	tggaaagagc	ggatgggttct	ggagctggga	gaagacgggt	540
ttgcagaata	tactttcaag	taattatctt	gcttctggg			579

<210> 1779  
 <211> 397  
 <212> DNA  
 <213> Mus musculus

<400> 1779

actgagtgc	ccatggagag	tgtaaatggc	tatttaatatga	agtacaccaa	ccttggtcacc	60
gggtggcagt	acagggnttt	tgttttaaac	aatgaagctg	ggctgttgga	gtactttgta	120
aatgaacagt	ctanaaatca	gaaacccaga	gggactttgc	agcttgccgg	gggccgtgat	180
ctctcccagc	cgatgangac	tcgcacacct	tcacagtga	tgccgncagc	ggggagcagt	240
ataaactcag	gagccacaga	tgctagaaga	gcgggcagca	ttgggaaatg	taaacactga	300
agaaagagta	ttgaactaaa	aaagcagcaa	tctgcattca	ggggnaaaaa	attgggtttt	360
tttatgaggg	nantttttatt	gggggggttg	aagaaat			397

<210> 1780  
 <211> 629  
 <212> DNA  
 <213> Mus musculus

<400> 1780

gatgacttga	aagtaggggtg	gtcttcacca	ggctaaaaga	agtaatgatc	cataacaggg	60
tgcactgtgg	ttctagatct	gaatgagatc	gcgttcatca	ggacttcagg	tttctgacaa	120
cactgttttg	agtaatgtat	atatggtctc	tgtaatgtag	aggacttca	gttcagatgg	180
ggaaagtga	gtttgcttta	gaggattgca	gaactgtgat	gtaattccag	agaatgcttg	240
tcaagtccag	ctacgctttg	gcagatgagg	cagttagaga	gctcaccat	ggccactgag	300
ctgcataatc	agctataatt	tttagaggga	ctagatgggtg	tctgtggact	acatgtggcc	360
ggctacttgc	taattaaaaa	gggatttcag	acatctatgt	ggatggtagc	catcttagga	420
cagcttagaa	tgtttaggat	attgcttttt	aaaagcaaag	ttttatataa	aggttcctat	480
aatggcccag	atagtaatat	taatactgct	ttggnttgca	ctatgttgct	tttgngtgaa	540

aaatagtga ctttgggttt tttgggtcat caaataaatg actttggtat attncaataa 600  
aacctactgg ttaaccttaa aaaaaaaaaa 629

<210> 1781  
<211> 442  
<212> DNA  
<213> Mus musculus

<400> 1781  
tgaggctcctg agccccatct cttgttagca caaatgccta gaatcaacag acgacacagg 60  
acattgtaag atgctgtgga aagtgtaggc tggttcagaaa accacctagc agctcccaaa 120  
aggttcaaca acaacgacag aaggaagagc cacataaccc agggacttgg acctccagca 180  
ctcanaaccc ggcctagacc caaggctctc tggataaggt ccaggtaaac tgcccggagg 240  
acacttctgt tctccggaag ctttcgatgg aggcctcagg aaaaagcaga caagaaaacg 300  
ctagcggctg gcaacaaagg ctatntnant nccaactatn ggaatgttct actgnatnac 360  
ttngnacnng ngtctttcan atttgngcga agagnntgtn tctnttttct ctncccttga 420  
gacatacctg ccccatgcat aa 442

<210> 1782  
<211> 496  
<212> DNA  
<213> Mus musculus

<400> 1782  
aactgagcct gtggggccctg gnagtacgta tttgatattg gatgcgaaca gcacggtgaa 60  
tatcgctca cagatacggg aagaggagaa ctaggaggag gaggaanaga cattagtga 120  
catngttccn aaanggaaag ntctcaacat cacagaattg gccctgngga ctccaaccct 180  
ctccgaggag cagcctcccc ctgngggcca aggccaggag gaaccgcagg gacttactgg 240  
cgtgggtgac ccctnanaag acatccaggc agaaggtttt gagggcgagc tggagccgag 300  
gggggcccgat gaagacgtag acacgttcan gcaggagagc caggagaaca gctacganat 360  
agaccaggga aacttgaact ttgatgaaga accgtcagac ctccangatt aagatagtgg 420  
nggcagaaga ccananacac accaggcgtg ccttanttaa caccagtcag ctagggctgg 480  
tatccaccac ctgatg 496

<210> 1783  
<211> 610  
<212> DNA  
<213> Mus musculus

<400> 1783  
gaaagggcat tggatccent gnagctggag tgacaggaag ttgaagatnc aggctattac 60  
ggaccaccag ctgtggattn tggcaccaaa ctcaggctcct tgggaagaac agaaatgttc 120  
ttaaagactg ggccatctct gcagccctgg gttgttttgt gtctgtgaag caagcatccg 180  
accgaccgag ctccatcctn agncacctnc acgtctcttc ctccctctcag cctcctgagc 240  
gcctgagttg ctcccatgtg ctggctgcaa caacgctgat aaaaaatgag aaaggaaaat 300  
nanggcgnga gnnctgtttc ccccttttta ttattttacc ttgtgtgata caaggccttg 360  
gaagcaggac ctcatactta gctactcaac ccactgagaa ccataccaag tcttcctttt 420  
actctttgtt tcctcagata ggagctcact aagttgccta ggactggcct ttaattaatt 480  
ttatagccaa acaagccgng actttacaat ccttcagctt nggnctcca gtaactctat 540  
tagagccctg caccatcaga cccagccttn ctgncctctt ttggntaaag gctgcaagta 600  
aaaattgctg 610

<210> 1784  
<211> 260  
<212> DNA  
<213> Mus musculus

<400> 1784

tgaaatgcct	gagatctgcc	cctgccgaga	tctgaactgt	cttcctgaga	gattcctgaa	60
taaactgcca	gcctggcagc	ctggaatgac	tccaggcacc	aagagtggaa	ctggcgactt	120
actgctaacg	gctctggcgg	actagtgcta	acaatgtggc	aacaaaacat	caagaancct	180
ggcatggcag	gggatgggct	tcccccttt	ataacacaga	ctgctantaa	acattgacct	240
tgaacaggga	aaaaaaaaa					260

<210> 1785  
 <211> 555  
 <212> DNA  
 <213> Mus musculus

<400> 1785						
gtctggtgca	tggagaagan	tttgagccct	cgttctgttt	ttacaccggc	tacaaaatcc	60
cctatgcaa	aaccctggac	cagtattttg	agttcatcca	gtctctgcca	tccctcgata	120
acccagaagt	ctttgggctt	caccccaatg	ccgacatcac	gtatcngagt	aacacagctt	180
ccgacgttct	tgaaccatc	accaacattc	aaccgaaana	aancggtggt	ggtgtgggcg	240
agacgcgcga	ggccattgtc	tacaggctgt	ctgaggacat	gctcancaag	ctgccccctn	300
actatgtgcc	tcatgaggtg	aaagctcgct	tgatgaaaat	gggtcncctg	aactcaanga	360
acataatttct	tagacaggaa	attgacagga	tgcagaaagt	ctctcaatcc	tccgcagcag	420
cctgagtgcac	ctaaaactgg	ctatcgaagg	gacgatcatc	tgnagtgaga	aattgaaaaa	480
tcnttgggag	gggatgtttg	atgcncgtnt	cctcngcttt	gggaaaaaag	gtgttcctgg	540
ggaatcccc	cccc					555

<210> 1786  
 <211> 429  
 <212> DNA  
 <213> Mus musculus

<400> 1786						
aagcagctcg	gcaatgatgt	catctcccag	gatccttcca	gcccagttct	gtgcaacaca	60
gagcgtttag	aaggaggggc	gacagtgcct	aaactgcaac	caggtcttcc	agaggcccgc	120
tttggttcgg	gaacaccaga	aaagaatgcc	aaagctgaac	ccagagtgga	tggaggctgc	180
aggtcccggga	gctcctccag	catgcccacc	agcccaaagc	ccctccttca	gtccccctaag	240
cccagccctt	cagcccggcc	ttctatccct	cagaagccaa	gaactgcctc	ccgacctgaa	300
gacaccccag	actctccatc	tggtcctagt	tcccctaaag	ttgccctcct	tncacccatn	360
cttaaaaaan	gcttcttcgg	acaaggagcg	tgacggccag	aacagctcac	agtccagtcc	420
taggagctt						429

<210> 1787  
 <211> 276  
 <212> DNA  
 <213> Mus musculus

<400> 1787						
tgtaggaaac	aatagtttta	atgatattat	ggaagcaa	ttacccagcc	cttcaccaaa	60
gccacccct	tcaagtata	tgaccgtgcg	taaagagtn	atcactgcaa	agnatgtcga	120
ccaccgcttc	tccaggaaga	cctgtgcctc	ttcctcagca	aagctgaacg	aattgcttga	180
ggccatcaag	tccagggact	tacttgcat	aatccaagtc	tatgcagagg	gggtggagtt	240
aatggagcca	ctgctggaac	ctgggcagga	gctcgg			276

<210> 1788  
 <211> 432  
 <212> DNA  
 <213> Mus musculus

<400> 1788						
aaggtttcct	cccagagtcc	tctgattcat	gcaggaaaaa	atctgaggca	ccatggaccg	60
tccattcaac	tgaatgctta	cggtgactgg	ccctagagcc	atgtgccctt	gacaggggtc	120



acagtacaaa	agacaacgtg	gtttttcatc	agggaccaaa	caactacacg	cgcccagtg	180
cacctgatac	tgtccactgc	accgccatca	caatgaattt	tccagaaact	aatacaaaaa	240
attgcttctt	tanacactnt	ntttgngctt	aacctcaata	accgtcggga	gatggcaa	300
taacgcaatc	caatttttaa	atgatgccgg	ggcacatgg	cttcatccac	caggaagcac	360
atctggatct	ccatcactac	tagcgaatca	ccagaataaa	ttctcgggtc	cttcggcgcc	420
gtgcgcgaca	ca					432

<210> 1789  
 <211> 192  
 <212> DNA  
 <213> Mus musculus

<400> 1789						
gactgagctt	tcagtcctctg	gagatgttga	agcntttatg	atgggtgcatg	gccaaactta	60
agctatgcac	ctgaagccat	agtttcttcc	tcaccanaag	tgatgggttca	gtcgtgaggg	120
agccctccag	caagacattg	taaaagtgtt	tcaattgttt	aataaaagg	caagtatctg	180
gaaaaaaaaa	aa					192

<210> 1790  
 <211> 437  
 <212> DNA  
 <213> Mus musculus

<400> 1790						
gacgtacaga	aggggctaca	ggaccgaggg	cagattcaga	gccagagcca	gcggccagtt	60
ttcctgaatg	cggtccaggg	tgtgtttcag	gaagggccct	gcgtctatgc	agcgtctgac	120
ctgaggaagg	ctggaaaggg	ttcaggatac	taagtcagct	ctgcccagag	ctgggatctg	180
gccactacg	aatgctgtga	ctcacatggg	tgatgctgta	tgcctaagca	ctccaggacc	240
tggatccctt	gctgtgaggt	caacctggga	ctgaaaaaga	acaaggatca	gctcagcagg	300
atgaatgact	ggagagagaa	ggactgactt	gtccttgatc	ccatcccaac	acctcctgtg	360
gccctgcctt	ggttcttcta	gccttgcctt	ggcctcatgc	ccaccctctt	aaatggtgta	420
cctgccagtc	caagatt					437

<210> 1791  
 <211> 318  
 <212> DNA  
 <213> Mus musculus

<400> 1791						
catgagtctg	cactagtctg	tatgtggcat	ttncaanaca	gcagatgcna	gcaaggcagg	60
cacataaaga	ctcnggagag	actnaggcat	caggcnccac	ctcccctnga	ggaactgata	120
aacatccana	nnanncnatc	tnnctntctn	ccaccctctn	anagcctgaa	tntgagcctg	180
tggntgcttc	agggcctatg	catagagctc	ggctgggtgaa	ntccaagagg	aanaagccca	240
ggggactctt	cagnnaactc	tccatgtctc	anccaccacn	aagagagcaa	aaccgcttnc	300
tagcatcacc	tggaagga					318

<210> 1792  
 <211> 330  
 <212> DNA  
 <213> Mus musculus

<400> 1792						
tgcacggaca	gaggcttcct	nacctgcccc	ttntgtgcct	acttttagagc	cancatcata	60
tgcanactct	ncaccggcgc	cagagacccc	agcanaagaa	gatactgaaa	atatgggtcc	120
tgattgcac	tgattgnact	tttaattcta	taccagggg	atacagggga	tataaaactg	180
gtaaatataa	atctatatgt	atcattgcct	accagaatgc	aatttgacca	attgtataac	240
ttttncatga	gtcatantgc	tnntnctcat	tgtatgctaa	ctnccttatg	taatgtnacc	300
aatngcttgc	tcacagatct	tgacataatg				330

<210> 1793  
 <211> 441  
 <212> DNA  
 <213> Mus musculus

<400> 1793  
 ggctgcaggt gatgtgagcc aggagccaaa gagaagatca cgcccgactg tctgctatgc 60  
 ctgtgccctt tacaccggag ttgaaacctt aaagagcatc aacttcaagg aaaaccaaga 120  
 ccacaaatgt cgtggaagaa aacaaagatg caagtaccat accaattcct gaaaccaagc 180  
 cagaagatgt taaagacgaa tgcaacatgg aaaatgctga aaatggagaa gccaagatta 240  
 tggaggcacc cattcctaaa atggaagctg aggaagtaaa agaacagata aatgaagaca 300  
 ctgaagaaga tggaggagaa aagaaagaag cagtggcagc agaagccaaa gatgatgagc 360  
 taaaagcaaa cattcaagat gtggagaaag atgaagatgg aaaaagagca caaagataca 420  
 ggtgaggagg tggaagacgg a 441

<210> 1794  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 1794  
 ggccctcagga ctccctttgct ctgtcactct cangatccca gccctggctc cccaaagtac 60  
 ctctacaccc tccagctttg ccttgacaaa gaaatagggg gtccaaagca agtcaaaaaa 120  
 aaaaa 125

<210> 1795  
 <211> 176  
 <212> DNA  
 <213> Mus musculus

<400> 1795  
 cagggcaaac gaggaccaca tggcagaaag gagaactgaa gaatccaaag cccagtgta 60  
 cacacatctc ttctgactnt tccagcaaag acgggcctgt ttttccacta tgcccggatc 120  
 agaacngang gtcatnaggg tcanttccaa cccactttcc tcatgtgcac cctgcc 176

<210> 1796  
 <211> 329  
 <212> DNA  
 <213> Mus musculus

<400> 1796  
 acactctact ctgatacttc caatttgccg ttcttgcctga actcttttga tcttggacat 60  
 cngaagtgcc ncacgatatt tgttttgtgg gaaagaacat atgtagaagn gtgactcgtt 120  
 atnagacctn accctctgtn acattccata gtgggtttttc tatnactata atgnaccgta 180  
 tnnggnatca atcgagcgca tggcattggt gaaaagaatt tncnaacct taanctgtga 240  
 acattcttat tggaanancg gcntnccaaa cntatganct ntgngcagnt cactgttctt 300  
 gngggttccc nagaaattgg agtgggtctg 329

<210> 1797  
 <211> 393  
 <212> DNA  
 <213> Mus musculus

<400> 1797  
 ctctgtctgg ttctgtcactg tccgtccatc tttggttcca cgatgcctgt gctggagaag 60  
 tagatgcagt ctgtgtccag tccacgtgaa ctagcagccc actctgcact ggccagtaaa 120  
 ccatgcccaa gacacatgg accacgaacc taatgcgctt gtttcaaccc tacatgagga 180  
 ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 240

tgagctacat gaggagggag ggcagacagc aggaacttcc ttgaggctgg aaatggagcc	300
taacaaatga gagatttcag cagtgagaag cctaattaag ccacctgggt cttttggccc	360
accctaccc cagtccattc tgcccgtggg ccc	393

<210> 1798  
 <211> 208  
 <212> DNA  
 <213> Mus musculus

<400> 1798	
tactggctca cctgctgact tacactcagc tgnacagccc aagactgcgt acctagtaga	60
tggtactgcc cacgggtggac agctgccctc ctacctcaac taacaattaa gacagtagcc	120
tcatggagat gcccatgtct tatttanngc aggtctccca ttgagggtcc atctttcagg	180
tgacctctag ggtctgttag agtgcccta	208

<210> 1799  
 <211> 150  
 <212> DNA  
 <213> Mus musculus

<400> 1799	
tttttgaagc cggaagggtt ggggggatcc ntttgtttgg ggtccatccg ttcaagggtg	60
ggcttcccgt taaaactttt cacgttngac atcttcctcc tcgggcggtt gggggaccac	120
cggctngcct nttnttcgga aaaaaaaaaa	150

<210> 1800  
 <211> 133  
 <212> DNA  
 <213> Mus musculus

<400> 1800	
gagggtcct gcaccaggaa agaacaatca gaggtaaatg atgtgaggag gtggatggag	60
gtacccaaca cctgtcagtc tccttaatca gcctgtatct atattaaaga ccactccctg	120
ctaaaaaaaaaaa aaa	133

<210> 1801  
 <211> 229  
 <212> DNA  
 <213> Mus musculus

<400> 1801	
actgaaaaag gaaagaacaa gaagaggaag aggaggagga ggaggaagaa aagctgcact	60
tttcttccca gcactgcaaa ggcagaggca gaaggatcct gagttcaagg ccagtttagg	120
ctacataaaa agttatganc tactctggnt tacggagtaa gananactna gncctccant	180
atccntaccc cccaaaaaaa gcaggagcaa attctgatca aaaaaaaaaa	229

<210> 1802  
 <211> 187  
 <212> DNA  
 <213> Mus musculus

<400> 1802	
cgaaaaatcag atatccagag atcagaaaat gataacatct gaggatcggg tccaagaagg	60
gaaaaaagtt gtgaaactca aaacagaagt ggctgataaa gaaaatattg aaagtacagn	120
tganaaaaac tgcattccat tgnnagctgg agaagtancc agctcagaaa tacataattc	180
aaaggat	187

<210> 1803

<211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 1803  
 actgagagag gatggctgcc tttggcgagg ttagaagcac cgcctggaag cccatcgctc 60  
 gggaggtaga gttaggagtt caaggctatc ctttgccaca cagtgattct gaggccacct 120  
 tgagctacgt gggaccctgt ctcagaataa gaccaaaaaa aaaa 164

<210> 1804  
 <211> 252  
 <212> DNA  
 <213> Mus musculus

<400> 1804  
 agggcccgctg aaattagtag ccnaaaagaa ggactcaggn tntcantncc gncttcaaaa 60  
 aacaagcntn tggggaactg gagctggagg gagctaagct ggctggagat gatttgcatt 120  
 taaagagaaa gtagccctct ttggattccc tgggagcggg gccggaggag agtacttccg 180  
 ttgatttaac agttcccctt tctacacctc cacaagaact aaaggagcac tgtagttac 240  
 cgggaaaaaa aa 252

<210> 1805  
 <211> 252  
 <212> DNA  
 <213> Mus musculus

<400> 1805  
 ccctcgctaa cctgagtgat tctgnaacta cacaagctgc atttgggaga aggagaagtg 60  
 tctgggaagg ggccccgaac agagggaagaa naacagacgg anaccacggg gaactgggaa 120  
 ggagcaagtg cggaggcnat cctgaagctg ctgaggaagg aanatgggtg ngctnnccctc 180  
 aagctctttt gctgcataa tgcnccgaaa atatgagagg atcctgaaag aattctcttg 240  
 cagagagcac at 252

<210> 1806  
 <211> 298  
 <212> DNA  
 <213> Mus musculus

<400> 1806  
 gttccaggct ggtcacgggc agcttccctc antngatgaa ctatgatatt gttgntacct 60  
 gaaagaaacc ctctnctccc taagttgttt tttggtcann tacgctggna tagtttgatt 120  
 gtcaaccgtg angccgagct ggagtcattg gagaagtggg aaccccnagt nagaaaaatg 180  
 tctccattan tatcntngct aagggttgan cnagccttng nggagcaant actngtnann 240  
 nntcaagtaa nctcccctcc gtgnccctctg taacatnctt ccctggggtt caaatctt 298

<210> 1807  
 <211> 230  
 <212> DNA  
 <213> Mus musculus

<400> 1807  
 gagtcagacc ctggaagcaa ttgaagacat gcatgagaag tccatggagg gtttgatgaa 60  
 catggagacc aacaactacg atatgctttt tgatgtagat agtgaagaga cattatgaag 120  
 cataactctga agtactcttc tcctttccca tcttcagact aatgaagcat acatatttct 180  
 cacttgctgg tacattgtaa ccaaataaaa aattcactaa caaaaaaaaa 230

<210> 1808  
 <211> 446

<212> DNA  
<213> Mus musculus

<400> 1808

agggaaacttt	caggagcctg	gccgccgcgg	gagaaagctt	gtcgtggtgg	acttctctgc	60
tacgtggtgt	ggacttgcaa	aatgatcaag	cccttcttcc	attccctctg	tgacaagtat	120
tccaatgtgg	tggttccttg	agtggatgtg	gatgactgcc	aggatgttgc	tgacagactgt	180
gaagtcaaat	gcatgccgac	cttccagttt	tataaaaagg	gtcaaaaagg	gggggagttc	240
tccggtgcta	acaaggaaaa	gcttgaagcc	tctattactg	aatatgccta	atcatgctct	300
gaaaagtgt	accagctacc	agctgtttta	aacctgtacc	ttttttaatt	tgcaaaaaaac	360
tatgaagtgt	ggagagtcta	taccaactg	ccatctgatt	ataaatgaca	ataaaatatt	420
aattctaccc	tttttaaaaa	aaaaaa				446

<210> 1809  
<211> 193  
<212> DNA  
<213> Mus musculus

<400> 1809

tgagtgtaca	ttttggaacg	ggaaaggaag	acgaacacgg	atgccgggtg	tcaggcagtc	60
ctggccgcgt	gctgggctgc	gctctgctgt	tgctgcctcc	tgacacagctt	ggactgagta	120
gccaagaccc	agttctctcg	cagccgctgc	tcctgttgct	gaataaaca	ctagtgttac	180
acaagaaaaa	aaa					193

<210> 1810  
<211> 278  
<212> DNA  
<213> Mus musculus

<400> 1810

agccaatccc	agacctgctg	taccaccgat	gtggaaaggc	atttaacctt	gctacacact	60
cccctgcttc	ctgactagct	tggttgggcc	actccctcac	ccacctcctt	ttccctccat	120
atgaagctgg	gaggggtgga	attaccacag	aaggagatca	cccagagatg	cttgctcagac	180
actcaggcaa	atctaaccgc	agctccctaa	gggagacagc	acccgagctt	gaaggatccc	240
ttaaccacga	gctcaatggc	aagcacgggg	ggggggggc			278

<210> 1811  
<211> 328  
<212> DNA  
<213> Mus musculus

<400> 1811

actgagcccc	ggtcttgcag	gcagctgagc	ctgctgnccg	cagttntntg	gaaacgtgtg	60
agcgngggct	gaagccccac	cacctgctgg	accctcagna	tgaaggaanc	cctggngctgg	120
atcatggttc	accagaatgg	agtgcacaga	ggcttccagt	cgctcttctc	catctcccag	180
gcaggaggac	agatgcaggc	aagctaccac	tgggccaggg	acctggctcc	cagacgcccc	240
ctgctggacg	tcctcctggc	ccctacttctg	gattcctgcc	cctaccgcag	gcgtgagcag	300
gtactgcgtg	agatgccagg	acttggaa				328

<210> 1812  
<211> 321  
<212> DNA  
<213> Mus musculus

<400> 1812

tcgagggaga	tgagaactca	cctaccatct	gaaagtctta	aggtttgctg	acagacaaaa	60
ccgggctttg	aatggagcgt	gaactcctga	ggcgagcatt	ggcccagagag	agccgaggat	120
gcagggtgtt	gtctgatctt	gatttcaggt	acttttgga	tacagaatac	cagatgtgtt	180

cctgctgccc agccccacaa ggctatgcag aatgcaaaga agagttactt tttggctggg	240
gagtagtggg atcatgtgca ctattgctgg aaataataaa tattggccta tctgtagaaa	300
taaaaatctg actaatgata a	321

<210> 1813  
 <211> 285  
 <212> DNA  
 <213> Mus musculus

<400> 1813	
gcctcacatg agtcaccgtc catgctgccg tgtgggctcc tgcctctgga ctttggctca	60
ttttccatgc ctgagctagt ctgtaccaga tgctggcagt ggggcatggc agagctcggg	120
agagctgaat tgattgccca acccttcacc tgtgccatct cttgacaatt gttactggaa	180
agcctgccct gtcattcctgg ctttcagttc ttgtggctct tggatgaaag ttctgctatc	240
ttgtgccccca ccccatataa ggactgcctc ccaccaaaaa aaaaa	285

<210> 1814  
 <211> 412  
 <212> DNA  
 <213> Mus musculus

<400> 1814	
gatcccggga accccaaacc acaaagggca aagacagaag ccgctgaccc accagctgag	60
agtccgaccc ccacctccga cccctgaggc tgagcaagac gaggctgagc agaagctggc	120
ctaacacaca cctcagccat catctgattt agtgatctaa gaagagattc ctcaaagaga	180
agcggattcc tcaaagctgt cctttaagtg tcacacacac tgaggatagc tgttgagaag	240
gctgatctga ctccatgaca ggcttcacac tggcagttca ggagacaagg cctaactctg	300
tttccaagaa ctgagcaagt ccaggcaagt cccaggcctc agaagctgcc ctggcctgag	360
gcaaggacaa cgggtcagca gcagtttcca gacttcccag aaacagtttt cc	412

<210> 1815  
 <211> 185  
 <212> DNA  
 <213> Mus musculus

<400> 1815	
gggaccaaatt tcaacttgga aactccttca ggggaaactc tgccatcatt caaggaggaa	60
aatggcaatt ttcacaggat tcagnatctt tctcgtcttc ccttaccttt tacattaaca	120
tcacagttta ttttgtgttt tgattcttaa aggaataaag ntaatggaaa tggcaaaaaa	180
aaaaa	185

<210> 1816  
 <211> 322  
 <212> DNA  
 <213> Mus musculus

<400> 1816	
agctgcagac aggaggagca gcggacggtc accaggntct acgtgccatg cattcacatg	60
acnnccatcc tcatatgcta accagcttct ttaagatgta tggagtgact cgcanccggg	120
ccacgnanat gaggaactnn cgaatggaga agaccacatn ctngtgcac nngnttcatc	180
nccttcgggt ncagctnagg cncgagaccc tngatccgga acattgcanc gtctctgcct	240
ccaaagcttg caagcagcag cctgctctcc tccagtggcc gccctgcacc cggaaccaat	300
aaataaatct taaaaaaaaa aa	322

<210> 1817  
 <211> 387  
 <212> DNA  
 <213> Mus musculus

<400> 1817  
agaatgacag aagatgctct ggcctgaat cttttgaaga ggagtttga cccagcagat 60  
gagcgagatg atgttctggc aaaacgactg aaaatggagg ggcattgagg catggaacgg 120  
ctgaaaatgt tagcactgct caaaaggaaa gatttggcaa atcttgagg gccgcatgag 180  
ttacctacta agcaagatgg cagtgggtgc aagggttatg aagagaaact taatggaaat 240  
ctcaggcctc atggagacaa caacaggact gctggaaggc ccggcaaaga aaacatcaat 300  
tgatgagcct gtggatattg agtgctagac gggagggtatg ngaacagttt tanctgcctt 360  
taanggattt gggtcgtctt aaaaagt 387

<210> 1818  
<211> 160  
<212> DNA  
<213> Mus musculus

<400> 1818  
ccccccccc agccaaagca gggcatgttc catgangach ggatcanctc anttgagggg 60  
gcaaaaaaag ggganccttg gctggttntt atganaaaaa cttctcgnat ctggnccttg 120  
anaaagaaag gcctttatag acaattgggg gaacatacaa 160

<210> 1819  
<211> 121  
<212> DNA  
<213> Mus musculus

<400> 1819  
ttttcacatc cctgaaaacg agnctccctt ggagccaaag acttaagaga attggacaca 60  
aaaacccgca aagangtgga atcaacagtt ngtggggccaa gcaaaaactt gtccttcttg 120  
g 121

<210> 1820  
<211> 384  
<212> DNA  
<213> Mus musculus

<400> 1820  
tgctgtgacc tgatagcggn tcgngagcac atgggaaggg accccgccag gggcgggtngc 60  
cctcctcggc gctggccgnc ggtgctcaag cacagntcat cgtngccgcc cganagcgcc 120  
caagtccaag gctaccgact tcaaccngng ccgtacatta ccattgcngc ttctggacgc 180  
ctaccgcacc acccggcttc caggctacca acttcggggc cgcggtngca aanaaagtca 240  
acngcccatg attgnnaana aactggaagc cacctgggnc tgnnnaatga atatcattna 300  
cgncaaacct tgacttcaaa ngtcgccggc ccaactttaa caaagcttgg cnaccatttt 360  
ttccttnttg ggctttttta cctt 384

<210> 1821  
<211> 620  
<212> DNA  
<213> Mus musculus

<400> 1821  
ttggtgagcc gagagggatc aggtgaggca agtatggggc angctgttga ggagactttg 60  
ggctctcact ctcggggagg tgatgggtcat tcctggaact cctccccca caccagcct 120  
ttctcccat gagctcatca cctcttcac ctatcccagg taccacggcc ctttaaggcag 180  
ggcagccttg agctggatgt ggctgcttgc aacttgtctg tgctgttttt taaaattggg 240  
acagggtctc atgtagccca ggttggtctn cagctcactg tgtagccaag actggctgtg 300  
gacttccgat cctcctgcct ccacttctgg agtgccagta tctgtatcac aggggtgtac 360  
caccaccacc tgtcttgaaa attgccatga atgacatagt tcacatagcc atgggtggcc 420  
aaggacactc ctgggtactc ttactgcac ttcccttgaa ggactttgct aaaatcctgt 480  
ggagaaataa gaaaaatcca atacggnaa aactgnattt atatgtgtct gtgntgtcaa 540



tgaggggggtc tgtnacctcc tnttccaann gtgggggtgct gtctgacctc tttnttntnc	600
aagcccacgc caccgcccga	620

<210> 1822  
 <211> 260  
 <212> DNA  
 <213> Mus musculus

<400> 1822	
ctaggtgagc agtggactcc cattgagcct aaacccaagg agcggccaca gggttgaggc	60
accatcaagc aaccacctac caacccccca ccccgccac ccgcagaggt ccgaaagaag	120
ccgagtgagg gtgaagagga ggcagcctca gctggaggac cccaggttaa cccaatgcca	180
gtgacagatg aggtcgtgtg accttcagtg gctgtctaca gctcctgctt gagtttctgt	240
ggagttgtcc cccccccccc	260

<210> 1823  
 <211> 593  
 <212> DNA  
 <213> Mus musculus

<400> 1823	
caccacagaa cggagatcga tcattentcaa anattncnt gagtgacct gcctnnnagc	60
tatgtcgata actggctagg natcttnata actngttcag atntgaatgt gctggcccca	120
nnctcagaat ggaggtcnga nactctggat gagancgtct ccacgtgttg aaggaagggc	180
anntngctca agattentcc aanacnacct gatcanggcc ntcnagaact naaagccctg	240
ggctctggat tcngcatent ccctgtggga gcactacct anccantctg ttccgcnnag	300
ctcaatatgg atcanctntt gtgctgcagc nggncgacaa aaacggtnng tgaccgtcag	360
tganatccca ccagtcttaa tgggagaccg aacgacncgg cnanttctgg aacacctgct	420
ngatggaatg ancgccctgc gttggatctg ctgctccnag ggangccccc ctactngctg	480
ccntctcttt tactcagaac tctaccccaa ggagatnttt cctnaagnag ccanagaaan	540
cttcccntga atnantttgc angggtnaaa ccaccaggcg caacaatcct gtt	593

<210> 1824  
 <211> 395  
 <212> DNA  
 <213> Mus musculus

<400> 1824	
ctccgatgag acgcenngtt gtacctacgc tctctngact tgggttgatc tgactgctgt	60
cttgggtatc acggnatgaag acatgnctgt gtentgncgt antaatggac tcgnccgtct	120
ggacaactat cagaaaactc caagcccaca catctgaacc tactggcant ancctgaang	180
atacngcacc tgggagccgt tgaaaagggt ggattgtctg anaacctgga tctgtttggc	240
tgtgaagtcc taaccggant gattaccgan aactgtcttc ngctcctgcc cactntccat	300
ctggatggct ataacgagaa gacaggaacc nctganccat tggagtnata tgtaaagaac	360
cccgacccaa atggacagtg gatgggttga ctcga	395

<210> 1825  
 <211> 421  
 <212> DNA  
 <213> Mus musculus

<400> 1825	
ggtttgccag aatcaaaaat gtgtagcaga cactttcttg ggctatgatt gcaacctgga	60
aaaatgcaac caccatggtg tatgtaataa caagaagaac tgccactgtg accccacata	120
cttacctcca gattgtaaaa gaatgaaaga ttcatatcct ggcgggagca ttgatagtgg	180
caacaaggaa agggctgaac ccattccctgt acggccctac attgcaagtg cttaccgctc	240
caagtctcca cggtagccat ttttcttgat catccctttc tacgttgtga tccttgtcct	300
gattgggatg ctggtaaaag tctattccca aaggatgaaa tggagaatgg atgacttttt	360

aagccaaaaa ccatttttnaa agtgaangtg aatccaaaga ctantctgga cagattccac 420  
a 421

<210> 1826  
<211> 234  
<212> DNA  
<213> Mus musculus

<400> 1826  
agacacaacc ccttccccgg gatccagntn cactccngta tctctnataa tccgtnnngct 60  
atcanaaacc gagatgaact gnntgaanna caggacttcc atagtctggt catntactcg 120  
accagagtn ccttntccag gttattgtnt accaatttgc gacgttccat ctcttgctgn 180  
ttctgntcac caatgaagtc atgccgctgc aggtatcagc tctaaaaaaa aaaa 234

<210> 1827  
<211> 332  
<212> DNA  
<213> Mus musculus

<400> 1827  
cctagccaga ctggcttaga ccattccgcca ctgagttgga gccacctgct gtgctgattc 60  
tcatncatct cctttgatat gccactacct gcctgaggct taaccggctc tncaagatct 120  
tccggagtta gctgcgaact gtgattcctac taaactgaga gttcctacta annggctgat 180  
ctgacanctt naaaggaact ttgngtgacg gggaaatgggc ctccccctct ctttatagag 240  
cangttngct gacattanag ttgaacctga gcaggaaaaa cccaacaaan tggaacaata 300  
aattcctctt gcttttgcatt tgattcccaa aa 332

<210> 1828  
<211> 498  
<212> DNA  
<213> Mus musculus

<400> 1828  
actgaggata tgacattaca actgccgctg ccagcaccac agagtaagca gtccagatag 60  
ccgccacccg aggggtgcgg agcgtgcct ccacttgctt gatgctggca gtggaacca 120  
ccatggatgg ggacttccct ccacatgagc tccccacccc tggaggtggc atccagctac 180  
agaaccgact cctgcactgt ccttggtggg gcagtttctc accgtctttg taccacacct 240  
tctccagtga aaaccaacag ttctgtgggt ccacccatt ccttggtggc cagtcttgcc 300  
ctgaaaccag ctacccacc acaagccacc gtccccagct tnttntccaa gaacaagcga 360  
cttttctnaa cttctggnaa aggggaagcc antgctgggg cacgtnaaac ccgangctgg 420  
agccgcaatg gtgaactgaa caaataggga aaagctgaac acaacacca tcaacactgn 480  
atgggtggga gcaaaactt 498

<210> 1829  
<211> 377  
<212> DNA  
<213> Mus musculus

<400> 1829  
tgtttttctc ggacagaccg attactcaga caaaaacgga tgtgccaaagg atgccagtcc 60  
aagacttctg aagggcagtt ttctctatag gcacaagggg ccctaggtgg tgggagtgt 120  
gaggagaggc tntggaanag catanccctg tgttctgacg gtncnaccan cactccctct 180  
gaacctgtcc cccttcctag aggaccagcc ccaggttagc anaagagcgt ctgaggacat 240  
cgntncaaaa gcccacactc tgtaaccagt ctgaggctat gaggtatncc agggacacct 300  
gcagcattct tgggcaaggg agctggtnct tgaanctcag ctgagatgag gtgngactt 360  
naaggtgcaa tgaccaa 377

<210> 1830

<211> 216  
 <212> DNA  
 <213> Mus musculus

<400> 1830  
 atcgaaggat tccttcagtn acattcgact agatgaatgc cagggacccc cacttcagtg 60  
 ttgcctgacc acctaccccc ctattccagc cttgttgac tccggaaact tgagtcccct 120  
 gntgtcctgg ttcctccaac tctgggaact ttgctcncca ctccttaact nagnagacttt 180  
 gaacctnaat aaatcctggn ccccaactttt aaaaaa 216

<210> 1831  
 <211> 359  
 <212> DNA  
 <213> Mus musculus

<400> 1831  
 ggagggtcact gacaatgtca tccacancat ctctgatgct gttacccatg cggccaacgc 60  
 ctgggatgac tgtngacagc tngcctgtct accagcatgg ntggcccttc ctgacggtna 120  
 ntcattgagng tgnnnngtgg ccgngtatat tgactgggtgc agttctcaga gctgccgcat 180  
 ntgaagctat cctgcagtta tggatgcgac gagccagttt acttgacaat gtgtcctcat 240  
 ttacattctt ctgtaaagaa aataagttca taggctatgt gtgtgtgtgt gtgtgtacac 300  
 atatatatgt ntatcattgg taaaagaaaa ccnatgcctg aatctacact gtaaactctg 359

<210> 1832  
 <211> 401  
 <212> DNA  
 <213> Mus musculus

<400> 1832  
 ccacaggctc ggccaggcca gcatgggtgga ccacctgctt ccagtggacg agaccttctc 60  
 gtcaccgaaa tgctcagtgg gttacctagg ggacaggctg gccagccggc agccatacca 120  
 catgttgccc tcgcccattc cggaggatga cagcagatgc tccagccctt gctcttgtgc 180  
 cagccctgac tcgcaagcct tctgttctct ctacagtgcg ggtccaggcc ctgaggccca 240  
 gggcagcatc ttggatttcc tctgttctcc ggccacactg ggcagtgggtg gtggcagtgg 300  
 aggtattgga gatagcagtg gccctgtgac ctgggggatca tggaggagag ccttttgtgc 360  
 cttntaaagg gaggaacatt cntgnttccc tgaatttctt g 401

<210> 1833  
 <211> 402  
 <212> DNA  
 <213> Mus musculus

<400> 1833  
 actgaggtaa ctggggccct catcttggtg tcatgaggag ttgtaacata ctcaagtggg 60  
 aactcgagtt gaaacgctgg tgtcctggcc tcaaaactct ttcttatgtt ggcagccaca 120  
 gagaactcaa agcaaagaga caggagtgga ccgagcccaa taacttccac atctgcatca 180  
 cgtcctataa gcagttcttc aggggtctaca ctgccttctc aagggtgcac tggaaatgcc 240  
 ttgttggtga cgaaatgcag aggggtgaagg gcatgactga gcggcactgg gaagccatct 300  
 tcaagctgca gaggtctgac tgtacccaag tgttctgtct tcaaactctc agctgttctt 360  
 acctaaagat tcattaaaga aatttaaatac attgcataca ta 402

<210> 1834  
 <211> 240  
 <212> DNA  
 <213> Mus musculus

<400> 1834  
 gaacctgggc ttacagttcc tcctacatga ccgagatctg atcagccaac ccgcgcattg 60

ctttttgtgc	ctngcactgc	agtnacagggg	ncntttttat	tntccnanac	ttatnactca	120
natgntaccc	ttttntgatg	ttctttttcgg	tnaaggaggc	catgtttttt	ggcaagggna	180
ccncnangna	gcactcgtac	tnattnancc	tgaagaaaca	cagtttatat	aaccgtagtg	240

<210> 1835  
 <211> 335  
 <212> DNA  
 <213> Mus musculus

<400> 1835						
gaggttcctg	atgtgagagg	gtagcccccg	atcatgggag	gtgcttcagt	gcgatggctg	60
tgacttccga	gccccatctt	acgaagatct	caaggcacac	atccaggatg	tccacacggc	120
gttcttacag	ccaactgatg	ttgccgagga	caatgatgac	gagccactat	ctgggtccat	180
gaatgctagt	aatcagacag	aggtggagtt	ctcttctata	aaggatgagt	ttgtgattgc	240
agaggattta	ccaggtcaaa	gtgcaactgc	attggggagc	ggagggttact	atggccacag	300
tccaggatat	tacggtcagc	atattacccc	taatc			335

<210> 1836  
 <211> 266  
 <212> DNA  
 <213> Mus musculus

<400> 1836						
ggagaaataa	aaacagaaag	atctccagaa	agaagccatg	gtaagattca	aggtttcaca	60
gtccaagcta	atgcctgtgg	acacttgacc	aagtgatctg	agaaaattgg	atttctggca	120
aaacaagtgt	acctagactc	aggcaagggt	ggagaacaga	gggcgactag	attaaatgga	180
aagaatgcc	aggcatccca	ttgcctccct	ttgacgttcc	agaacttcat	caagacagtg	240
atgagctaca	tgtacacctg	gaggag				266

<210> 1837  
 <211> 238  
 <212> DNA  
 <213> Mus musculus

<400> 1837						
tgactatttc	cacgctgctn	ntttctccna	aggggcggtt	antaacctgc	ctctnaagag	60
tgcttccccc	catggntcct	tntctaaagt	cccctgcccg	gnccccccag	gggctctgcc	120
aaactgtntt	gccccattg	tnctaanaag	gacgctactg	ttggccgggt	tntgatagaa	180
cattatgtng	tcnnaggcaa	cnttgggggg	nccccccan	aggacttttt	attaaaaa	238

<210> 1838  
 <211> 281  
 <212> DNA  
 <213> Mus musculus

<400> 1838						
tataagtttg	gggtgaactt	cagggaccag	ncctnacaca	ccganggatg	ctccctcccc	60
ccagtcttgg	aggcaatctg	cacagagcca	gtctgcacac	cagagaccag	aggccgcagg	120
tcaagctccc	ggntgtntaa	nagggagggt	tccagccttc	tgaattacac	gcaggacatg	180
acaggagatg	gaaacagaaa	tgatgaagta	natgatggga	atggcttctg	atattttaat	240
gccaaagctc	accctgtgaga	ccaaggacac	caggacgcgc	t		281

<210> 1839  
 <211> 164  
 <212> DNA  
 <213> Mus musculus

<400> 1839

ccttgctgga	tggatccaac	ntgggtcttta	nncttntggn	accntnctt	gtcaaacagg	60
atctgtggt	tagctcggn	cncatnattt	taataccctn	tactacatca	cagtnangaa	120
atcaagncgc	tacgaatcnc	accttcgtta	acctcctagc	gtca		164

<210> 1840  
 <211> 220  
 <212> DNA  
 <213> Mus musculus

<400> 1840						
ccctcccca	cctgaacctg	cttactcag	ggtgnagctt	gccgctcaat	cagttctgcc	60
acagcccact	gctggagctt	gccgctttgc	tgttnngaag	ccatcacgtg	ttcacctgca	120
accttactcc	tagattattt	ggcggggaatc	ggccctccc	ccttccttca	taacggagtg	180
ctggaatagt	aaaaattgaa	ccttgagcag	aaaaaaaaa			220

<210> 1841  
 <211> 125  
 <212> DNA  
 <213> Mus musculus

<400> 1841						
tcagaagcgg	accacgattc	gntnttcttt	tgtancagct	tctgaagaca	aaaagcagct	60
taaaatctaa	ctaaggaata	aaaacactgc	ttactaaata	aactacttgt	ctctaaaaaa	120
aaaaa						125

<210> 1842  
 <211> 243  
 <212> DNA  
 <213> Mus musculus

<400> 1842						
agatgaaagc	acagtgggtc	tattctgctc	ttgaacagtt	caggaagagc	catctgcaat	60
actgacatca	tcagtcacct	attcaccacg	ctgaccgaga	gaccaaccct	tgaagaattt	120
ataaaaaaga	caaccgagca	ataacaaaga	ctaataagct	aatcaggct	ggagagattt	180
cagactgtga	aaagcagatg	gttaaattag	atctgttggg	tcttggttact	aaataaaaaa	240
ata						243

<210> 1843  
 <211> 436  
 <212> DNA  
 <213> Mus musculus

<400> 1843						
gatatggctc	tgaagcccat	gaacggaagg	anaaanggga	tcaacgcctt	gtgaagaanc	60
ccctatagtc	agaaaactgn	ccatctgcan	anntgagcga	naacangcag	cccctggang	120
tgggcagncc	agggcaggat	gcacancnt	nttgngatga	anggactang	aagggccctt	180
tgnanccctc	caaacaggtg	tgctcccan	aaggggggcc	gctcccagcc	agcccntgnt	240
ncngaactt	ncctatcnng	ccnnccttc	aggnccntgn	cgtccagtc	agccagcccc	300
aggggccctt	cccagcccca	gggcagccct	gccagcccca	gcgggcccgc	ccgggtcagc	360
gtgcttggcc	ccatcgatca	cttctaggct	tgagacagcc	ctgccagccc	cggcgcccac	420
ttctgggccc	tggtca					436

<210> 1844  
 <211> 199  
 <212> DNA  
 <213> Mus musculus

<400> 1844

gactgagatc	ctctgattcc	aggtaccata	caaagatgtt	tacaagaaat	gcagaggtaa	60
aacagctgct	ccgaaagcca	acctttttgtg	tccttaacgg	cagagtgtca	gttaaatacgc	120
cccagcgccc	ggaagctttt	attcatgttt	acactgctgt	gagtagttat	aaataaataa	180
accaataaat	aatgctgg					199

<210> 1845  
 <211> 105  
 <212> DNA  
 <213> Mus musculus

<400> 1845						
gactgatgga	gcgcagaaga	gcccgaagga	agaagtggaa	ttgcagatgt	ctagtcaacc	60
aagcacggct	cctgcaaagg	ctaaagcaac	ggggaaaaaa	aaaaa		105

<210> 1846  
 <211> 111  
 <212> DNA  
 <213> Mus musculus

<400> 1846						
caggctgggc	cacagccaac	tgcnctactt	gagcatgggt	ggctccagat	ntnctccttc	60
aaactggant	nagctggnc	tcanaaaaaac	ttntccccca	taaccagctt	c	111

<210> 1847  
 <211> 289  
 <212> DNA  
 <213> Mus musculus

<400> 1847						
aaagctaagt	ctcatcctca	tcaaagaaga	gncnccttac	ttcanacaga	gacngcttca	60
anagcccn	gatgatctaa	cacagagaac	actcgccag	cggttggtgaa	cccnnngat	120
gcaacanccc	ctgccttgag	aactcnnnc	ngaggngagg	gtgngangna	tgngggagnc	180
agtgagcctg	gatgttggt	gtgaacattt	tcccactgac	tgatcttcca	aaagttctga	240
gttcaaatacc	caccanccac	atgnnnatct	nacaccctct	tctggtgtg		289

<210> 1848  
 <211> 257  
 <212> DNA  
 <213> Mus musculus

<400> 1848						
atgaccaca	gcagatcagt	actganggaa	gctcanggtc	gattctatct	natggggaag	60
gaaaatngnc	ataattgctc	cctggacatc	agagatgcac	agaaaatcga	cacagggacg	120
tacttcttca	gattggatgg	gtctgtgaaa	tacagttttc	agaagtcaat	gctatctgag	180
ctngtgatag	ctntgactga	gggccctaac	atccaagnca	catntaccct	ggggtntggc	240
aattctacca	aactgct					257